

FIG: 1A

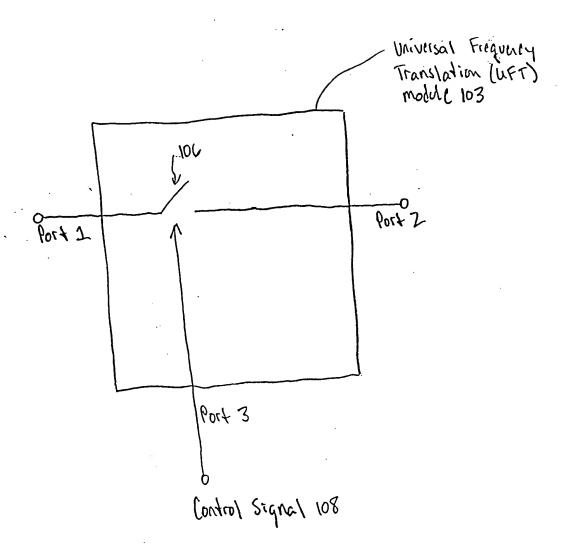


FIG. 1B

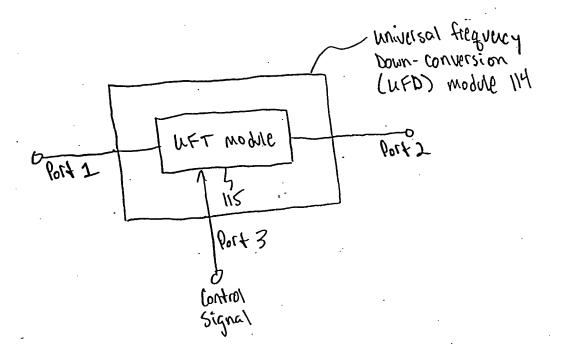


FIG. 1C

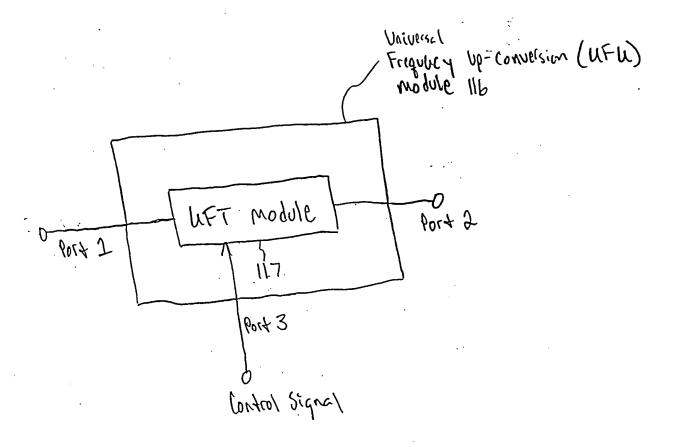


FIG. 10

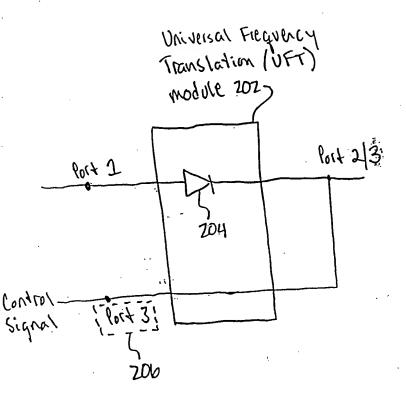


FIG. 2A

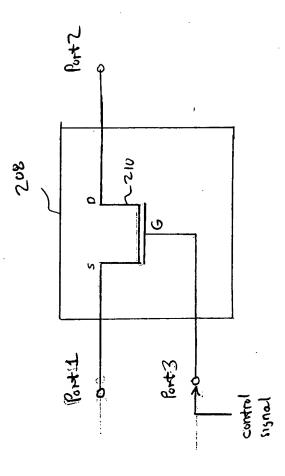


FIG. 2B



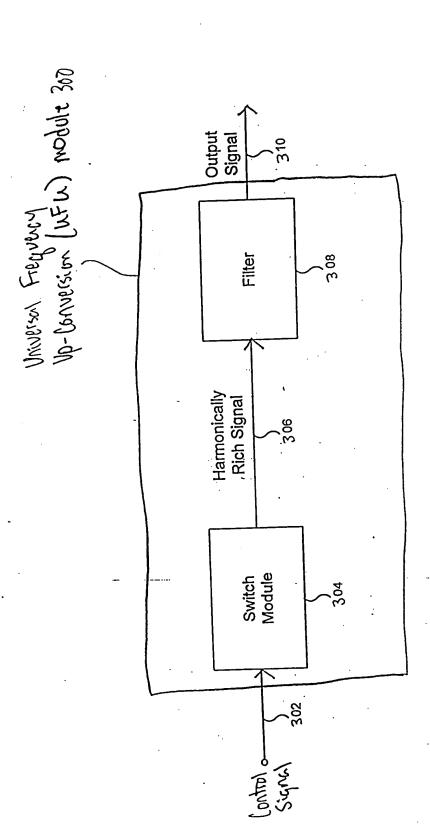


FIG. 3

Universal Frequenty
Up-conversion (WELL) module 4017

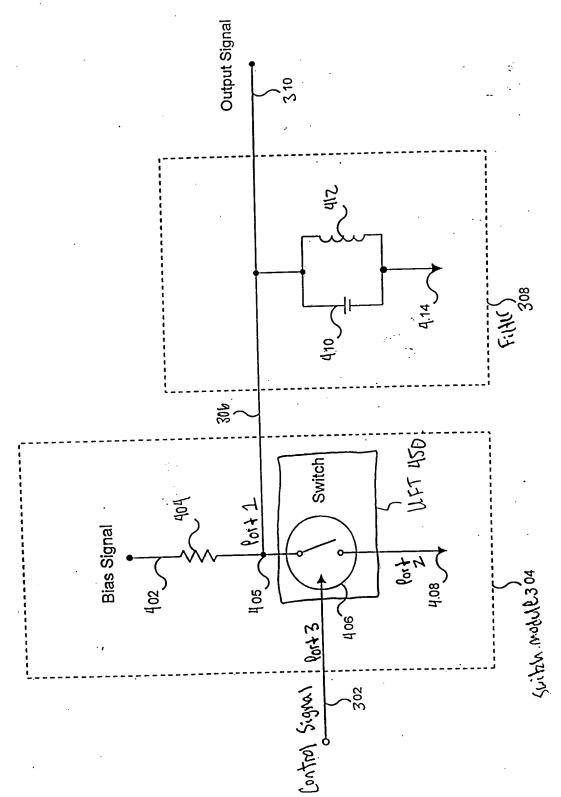


FIG. 4

Universal Frequency.
Up-conversion
(UKFU) Module 5907

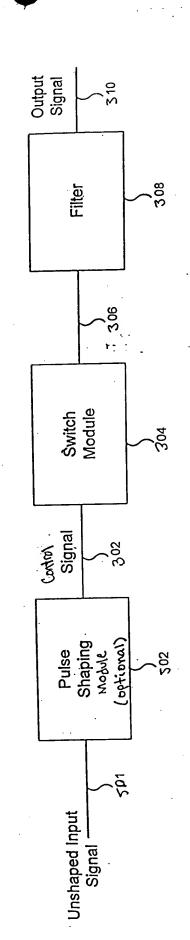


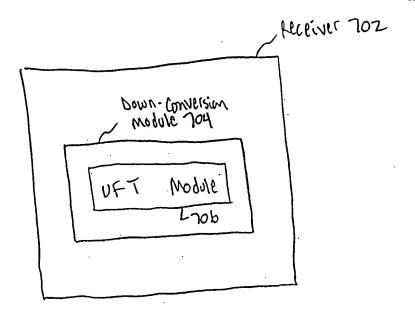
FIG.

HARMONICS OF SIGNALSSAID AND 1/2 (SHOWN SIMULTANFOUSLY BUT NOT SUMMED)

FILTERED OUTPUT SIGNAL

FIG 6 Cont

W



FI6.7

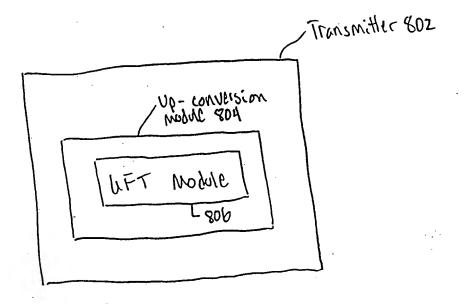


FIG. 8

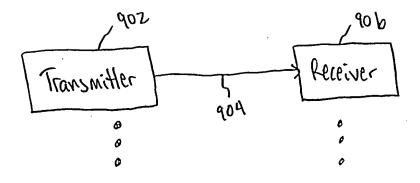


FIG. 9

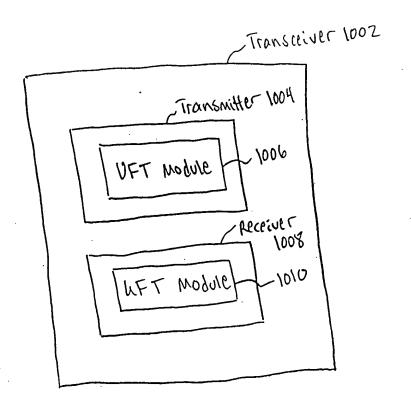


FIG. 10

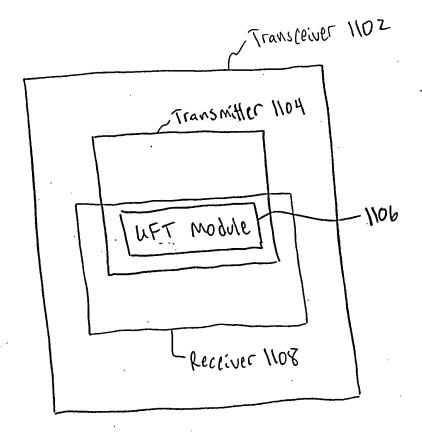


FIG. 11

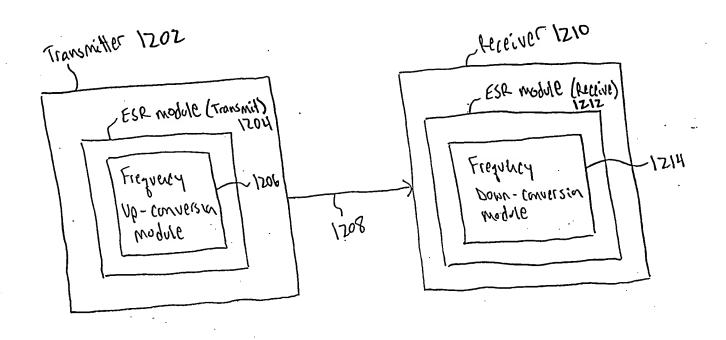
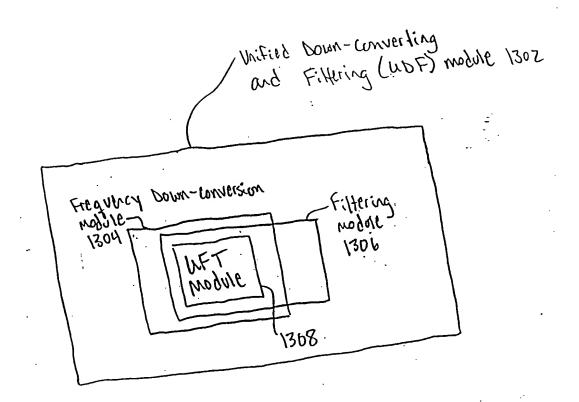


FIG. 12



FI6.13

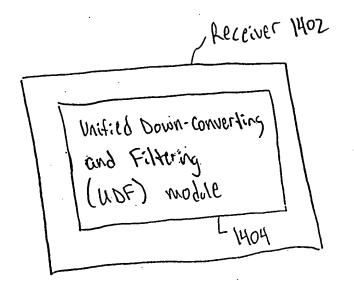


FIG. 14

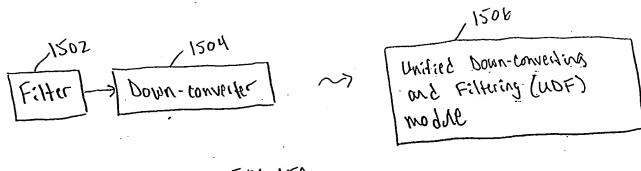
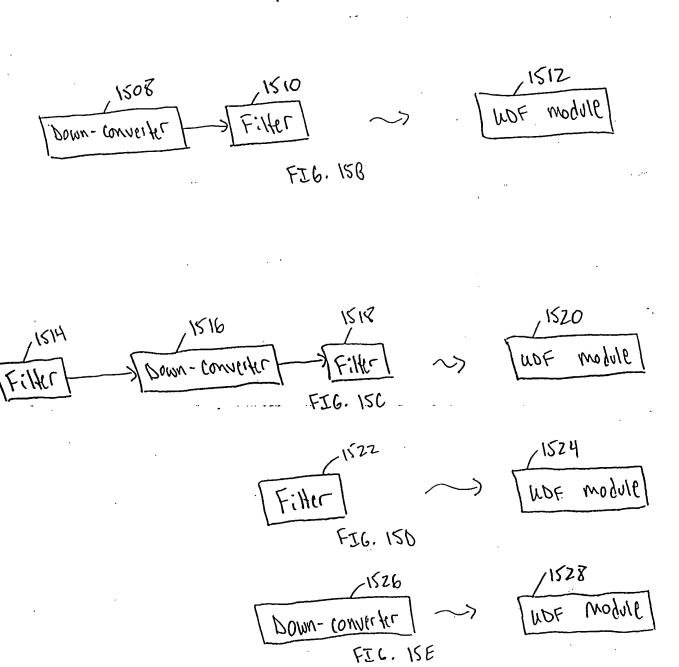


FIG. 15A



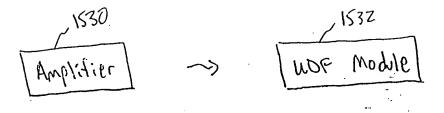


FIG. 1SF

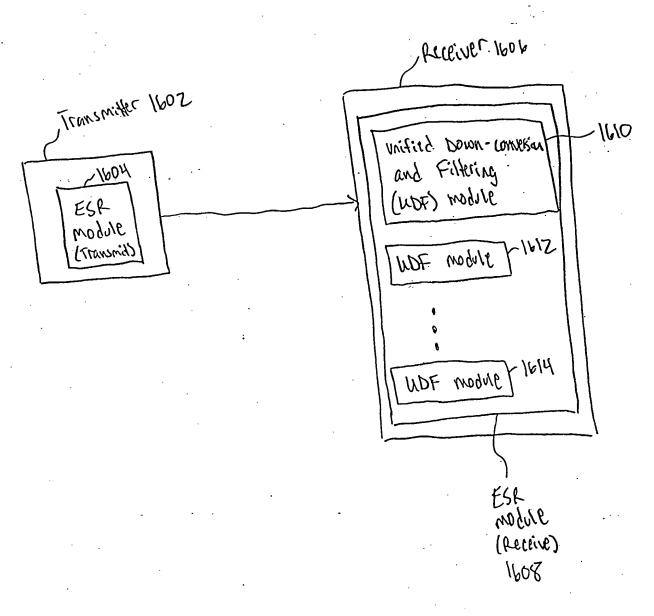


FIG. 16

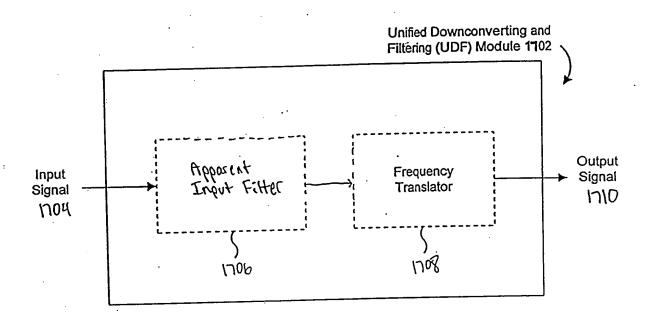


FIG. 17

Time	t-1 (rising edge of ϕ_4)		t-1 (rising edge of ∳₂)		t (rising edge of ∳₁)		t (rising edge of φ ₂)		t+1. (rising edge of φ₁)	
1902	VI _{t-1}	1804	VI _{t-1}	<u>1808</u>	VI _t	<u>1816</u>	VI _t	<u>1826</u>	VI _{t+1}	1838
1909			VI _{t-1}	<u>1810</u>	VI _{t-1}	<u> 1818</u>	VI	<u>1828</u>	VIt	<u>1840</u>
1966	VO _{t-1}	1806	VO _{t-1}	1812	VO _t	<u>1820</u>	VO,	<u>1930</u>	VO _{t+1}	1842
1408	- <u>`</u>		VO ₆₋₁	1814	VO _{t-1}	<u>1822</u>	VO,	<u>1832</u>	VO _t	<u> 1844</u>
1910	 	1807			VO _{t-1}	<u>1824</u>	VO _{t-1}	<u> 1834</u>	VO _t	<u>1846</u>
1912	1_		_	<u>1815</u>	-		VO _{t-1}	<u>1836</u>	VO _{t-1}	<u>1848</u>
1918	_		-		_		- .		VI _t - 0.1* 0.8*	1850 VO _t - VO _{t-1}

FIG. 18

USE MODULE 1972

FIG. 30A

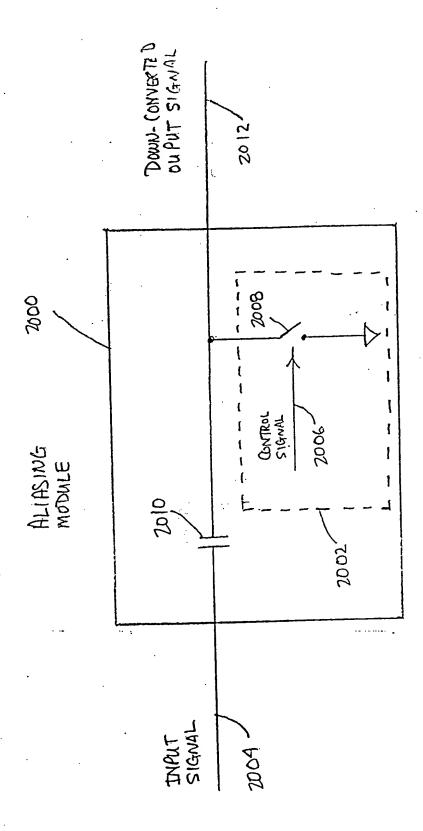
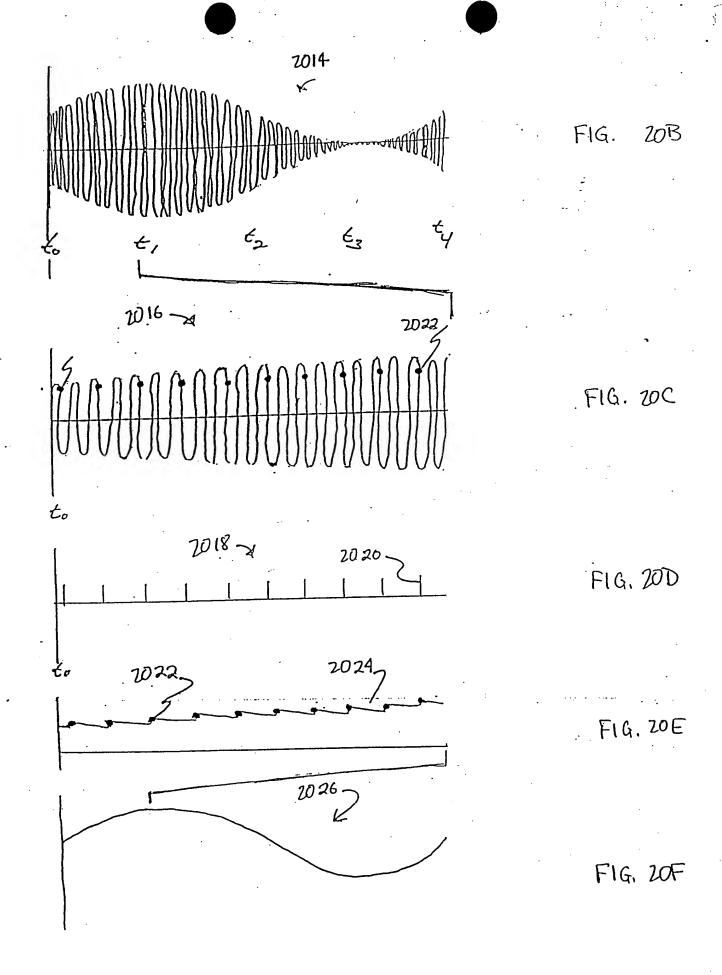
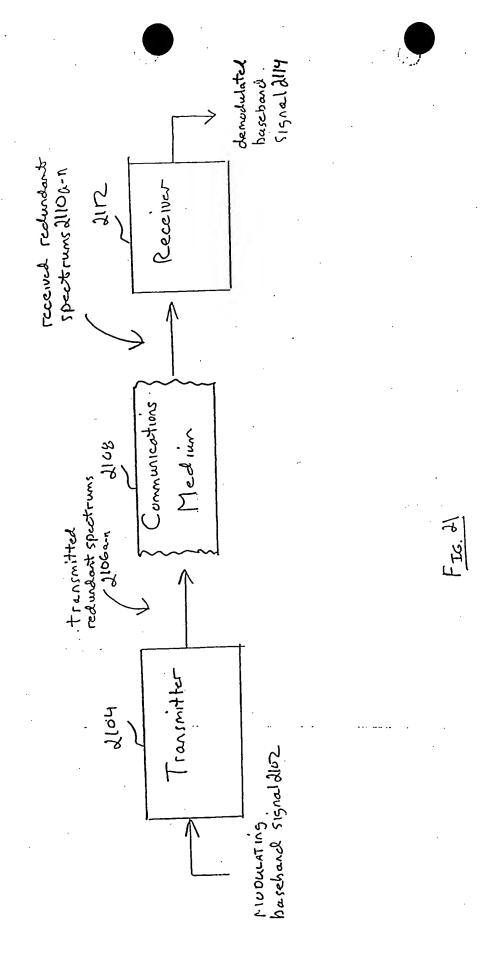


FIG. 20A-1





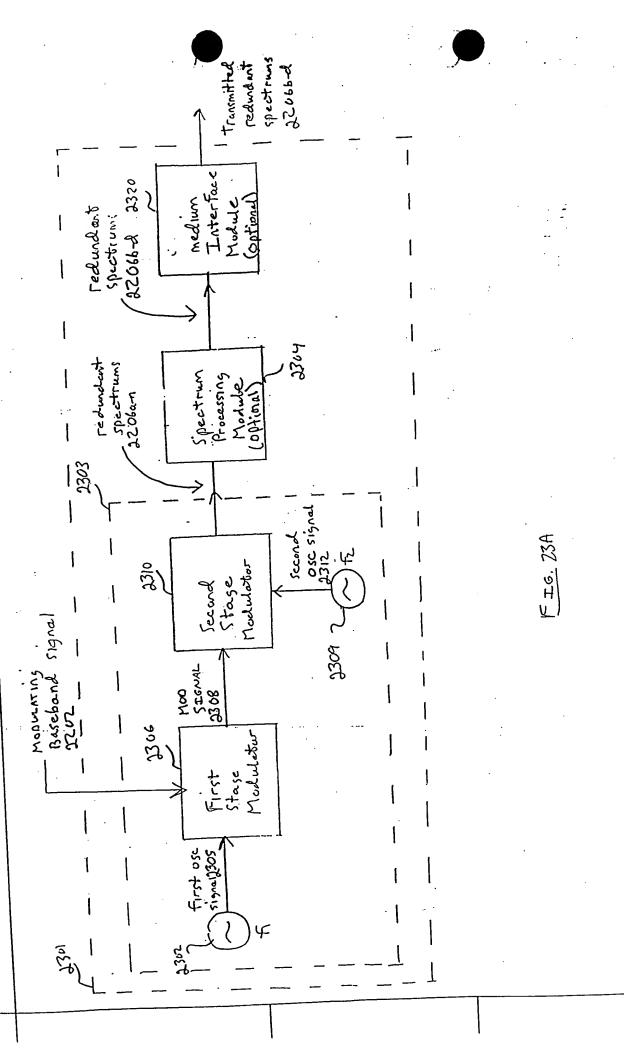
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RECYCLED WHITE SCOUME

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43:00 ZO RECYCLED WHITE SCOUNE
LINE PURE

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Frequency 22060 F1 + NF 2002 ३८०६४ 32061 £1+F2 35056 39028 ¥ 42066 \$206b F1-12 2206a (FI-NF) \$205 Amplitude Anplitude 300 Fze. 738

>!

W

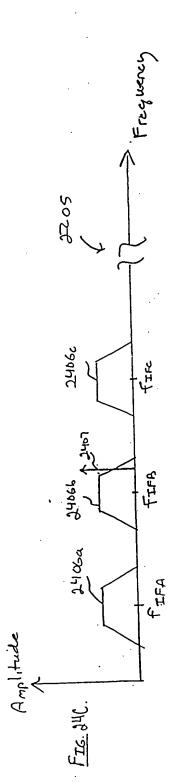
12392 100 RECYCLED WHITE S SOUVRE 42399 200 RECYCLED WHITE S SOUVRE LIMBOULE A

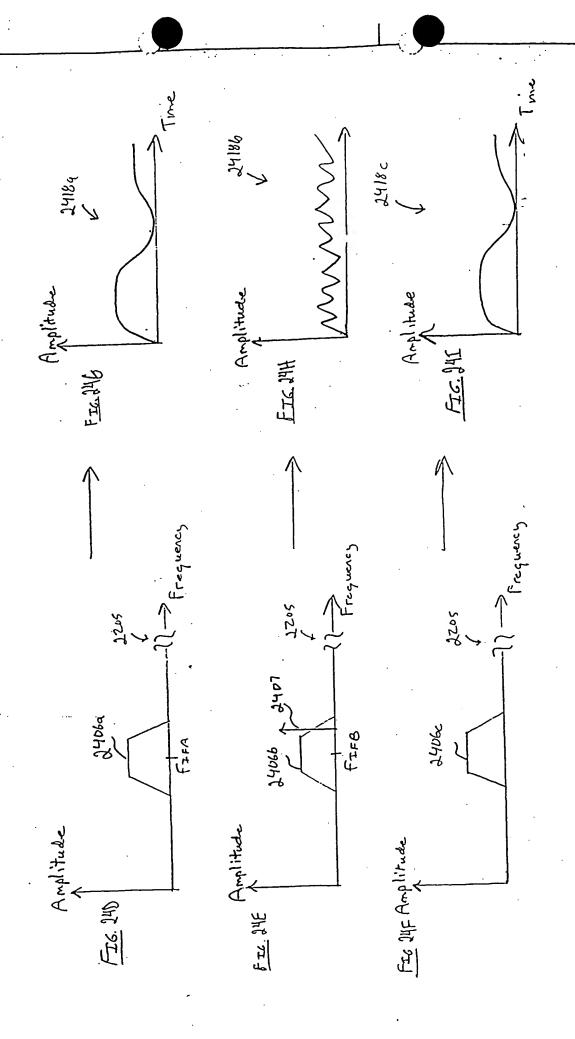
١į

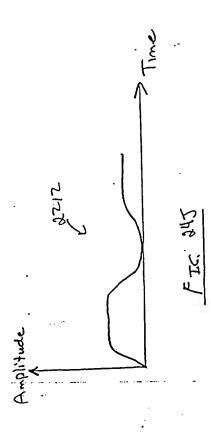
12382 TOO RECYCLED WHITE \$ SOUNGE 12382 ZOO RECYCLED WHITE \$ SOUNGE 12589 TOO RECYCLED WHITE \$ SOUNGE

W

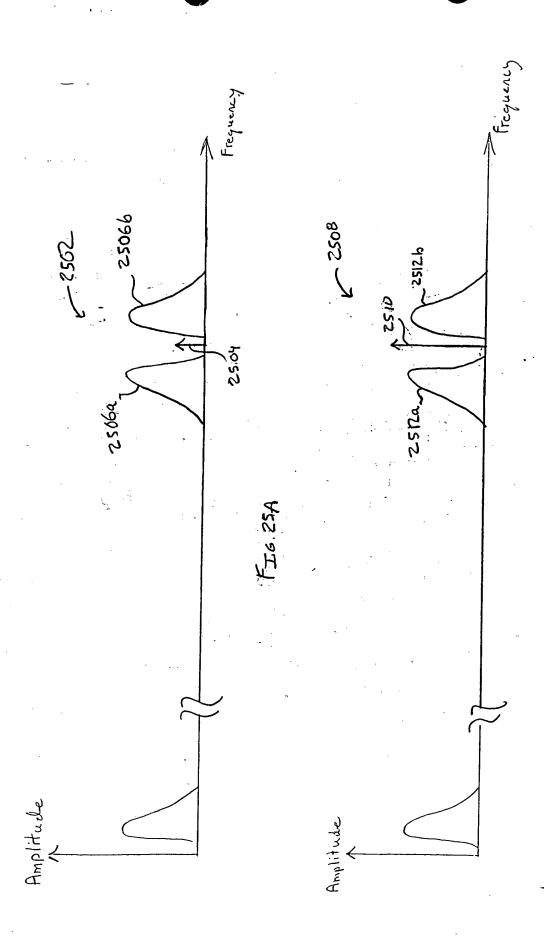
F-EC. 23E

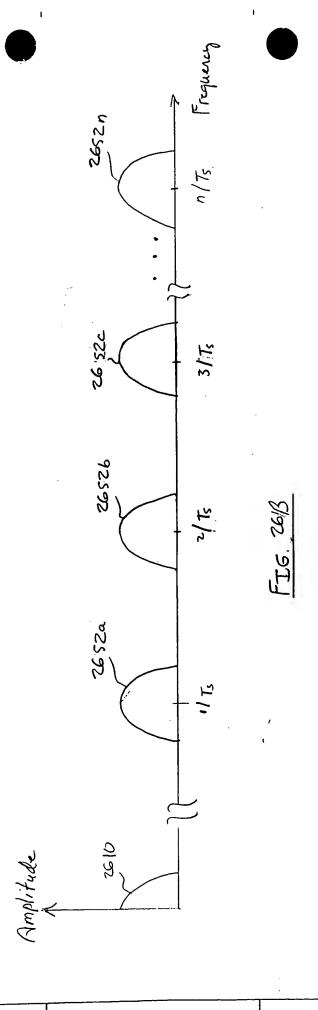


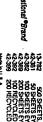


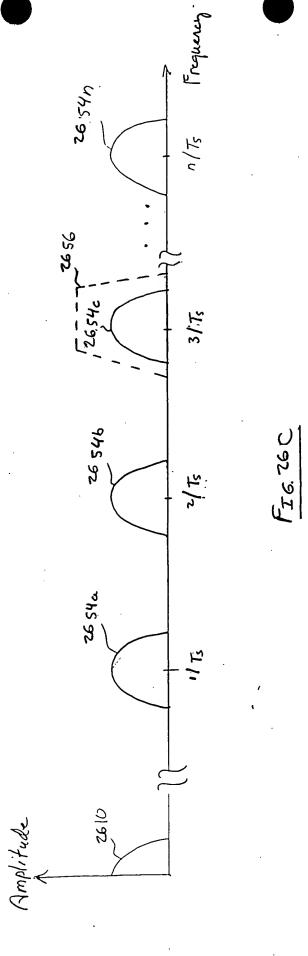


1/\

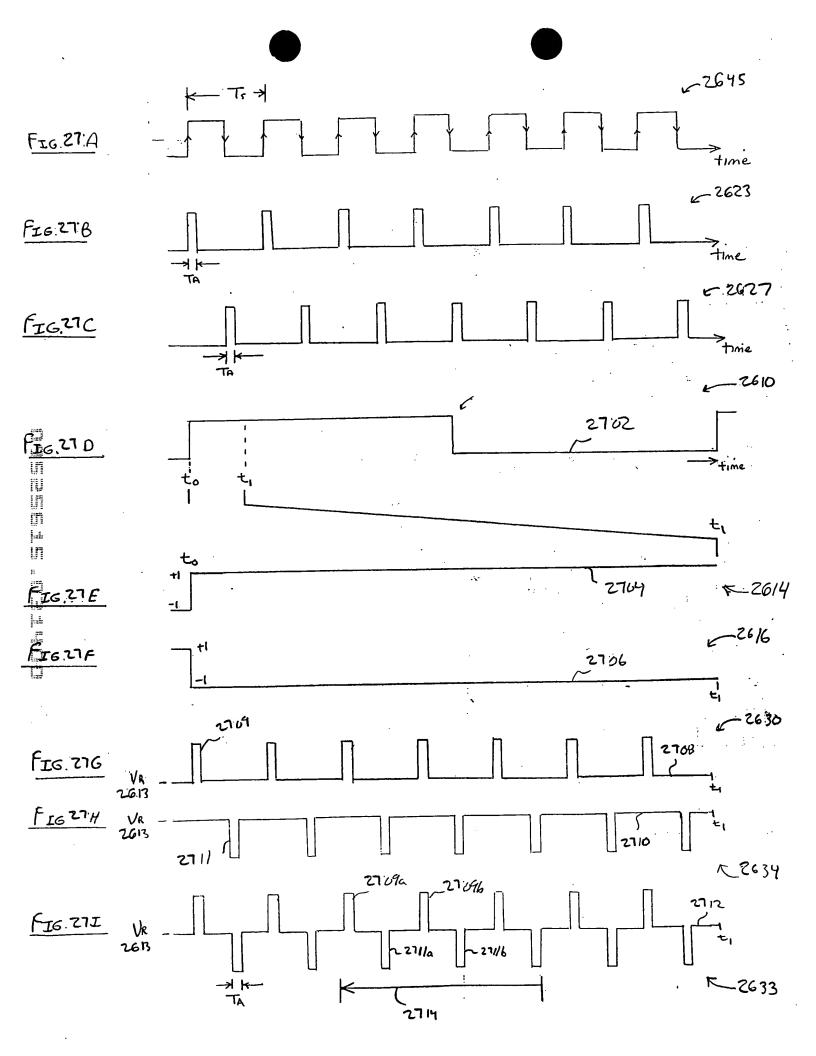












Aperture = 500ps Fundamental Clock = 200Mhz (5th Subharmonic)

Square Wave Frequency = 200Mhz

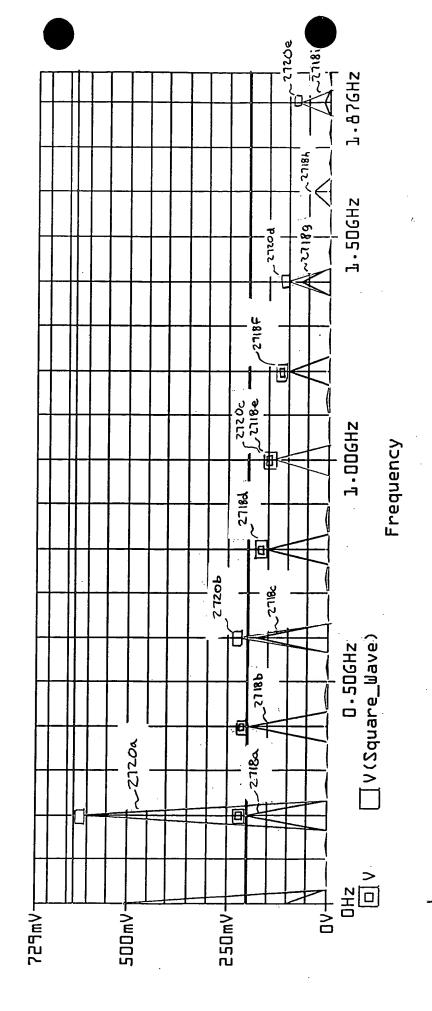
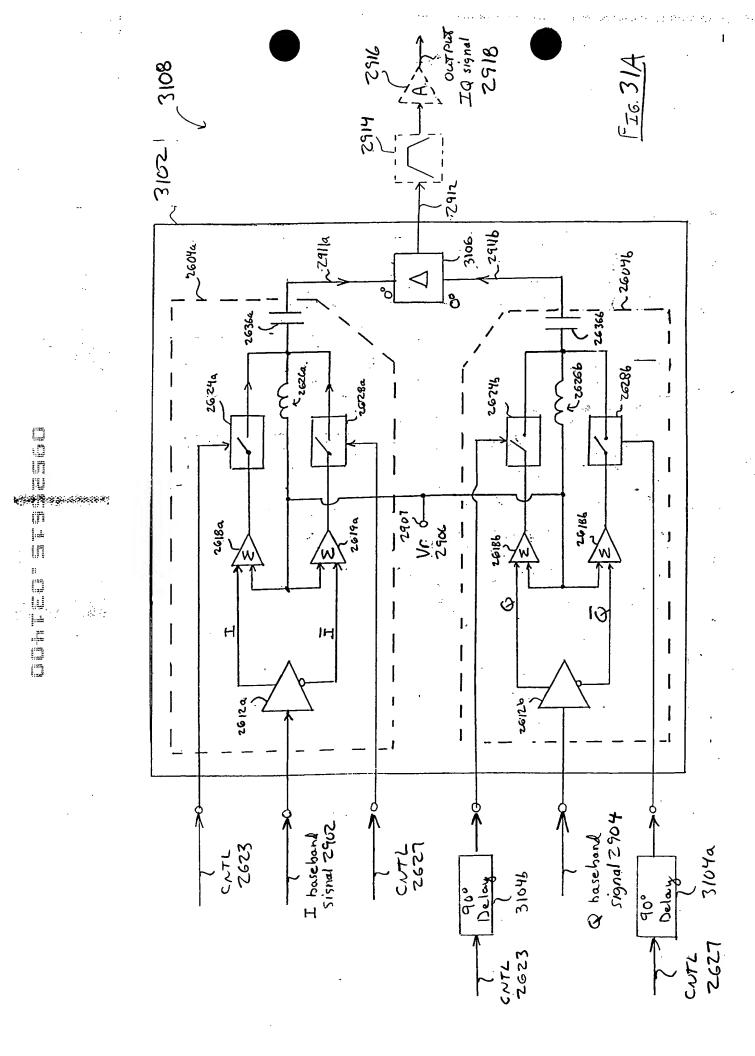
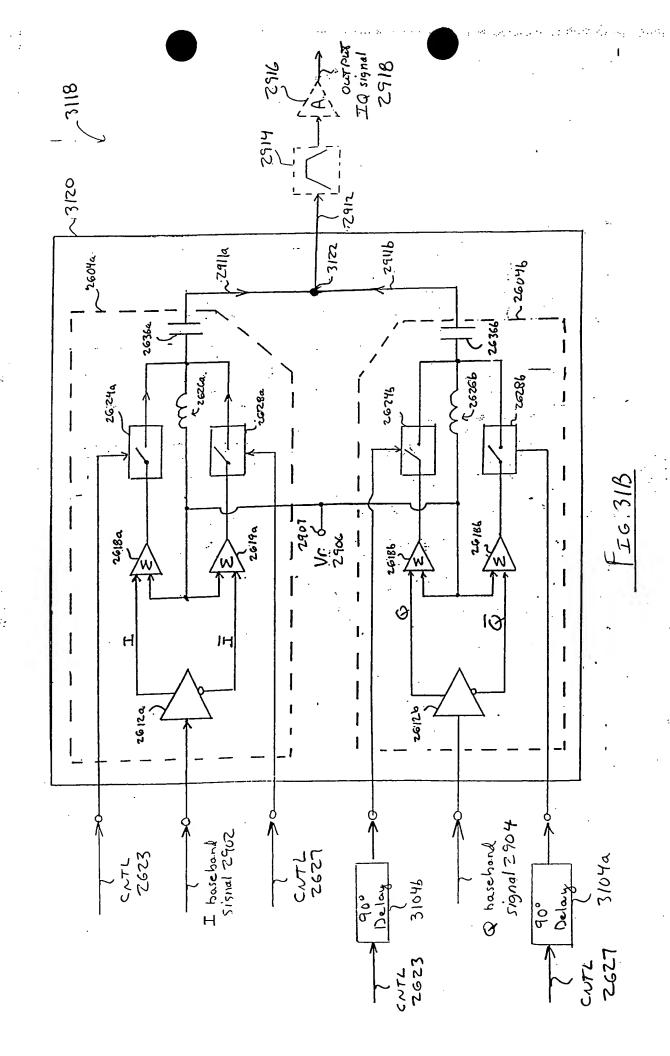
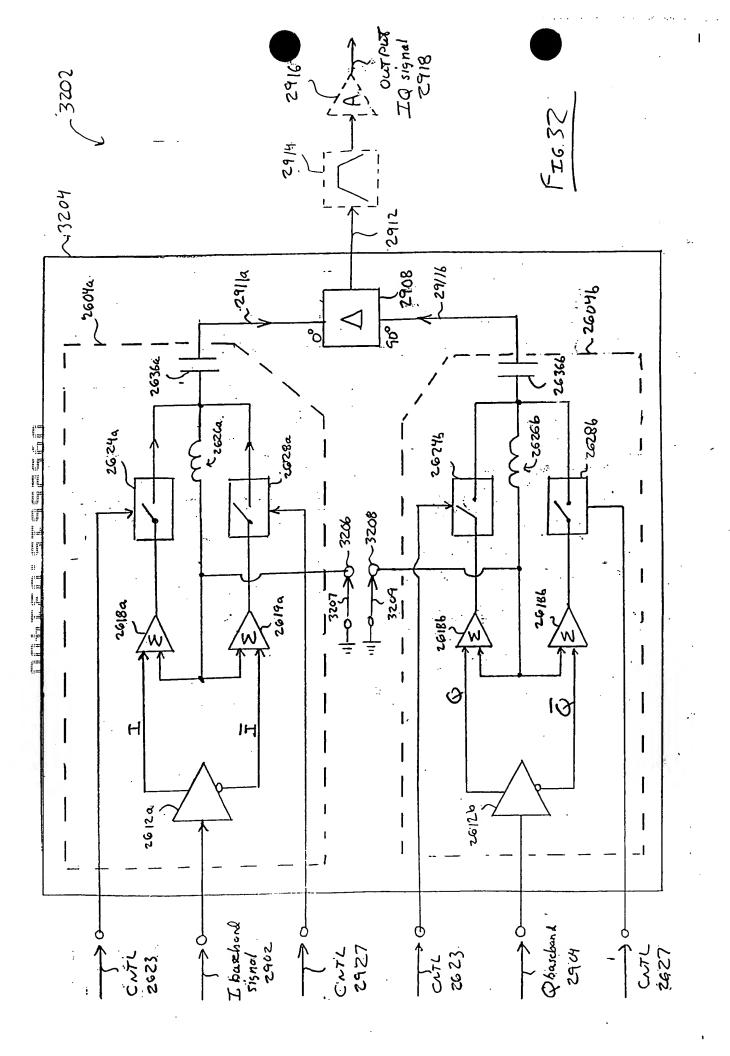


FIG. 27)







The transmission of the same services of the same s

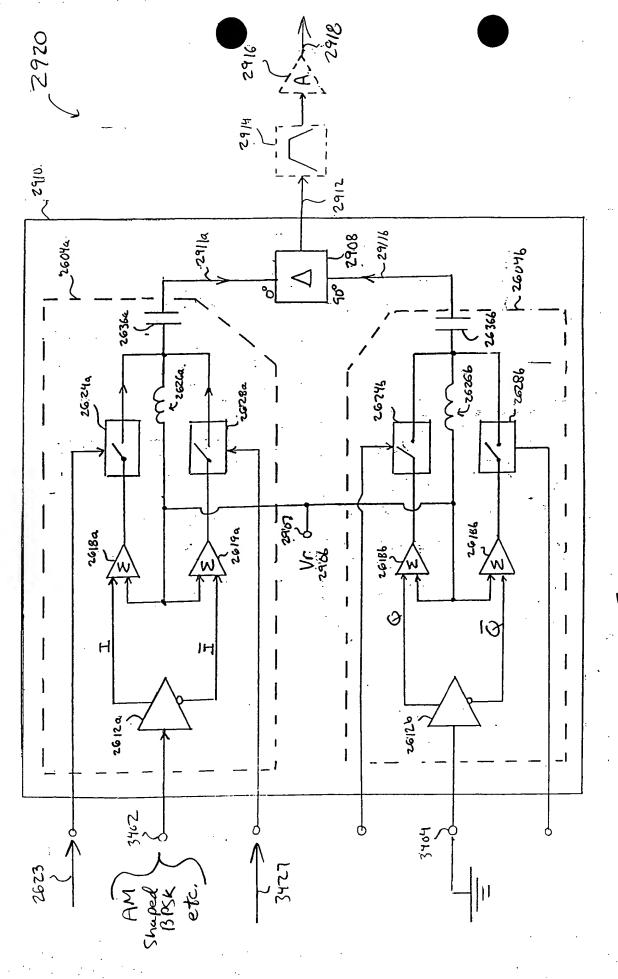


FIG 344

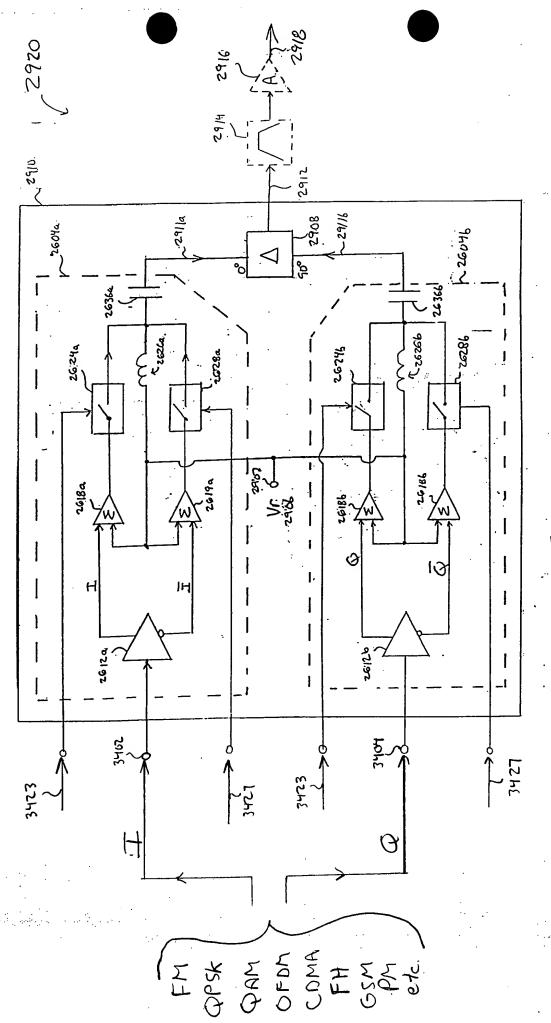


FIG 34B

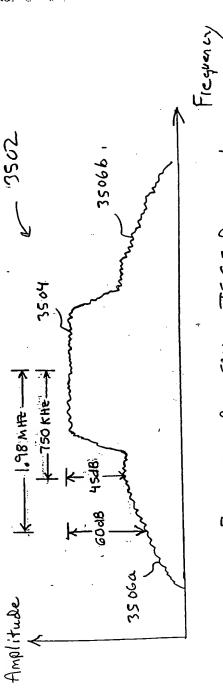
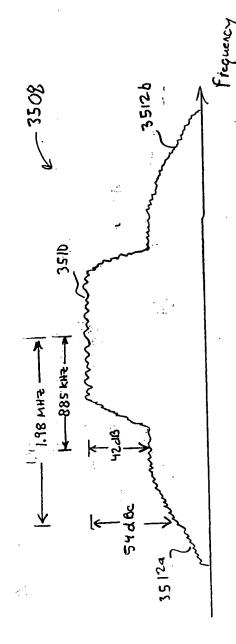


FIG 35A: Bacse Station IS-95 Requirements



FIE, 35B: Mobile IS-95 Requirements



42.381 42.382 42.382 42.382 42.382

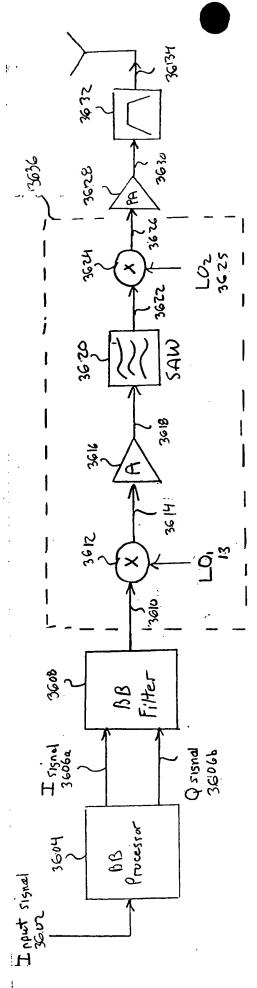


FIG. 36 : 0

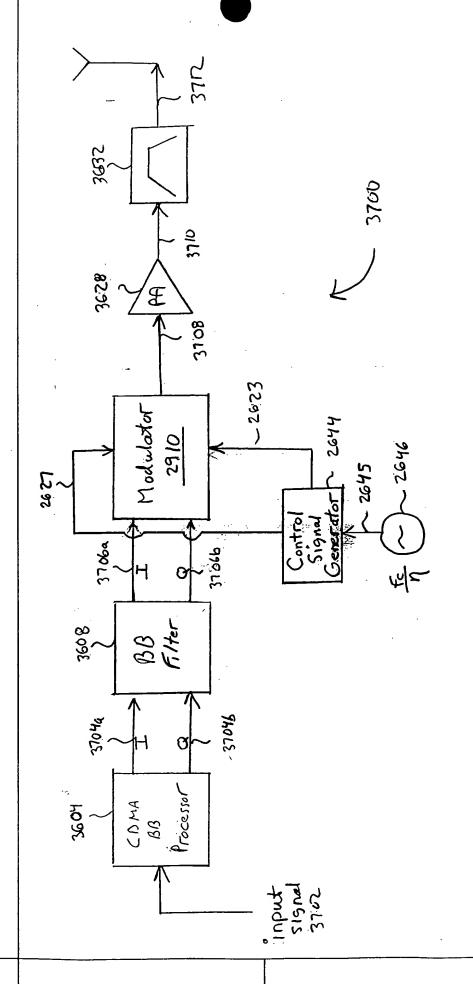
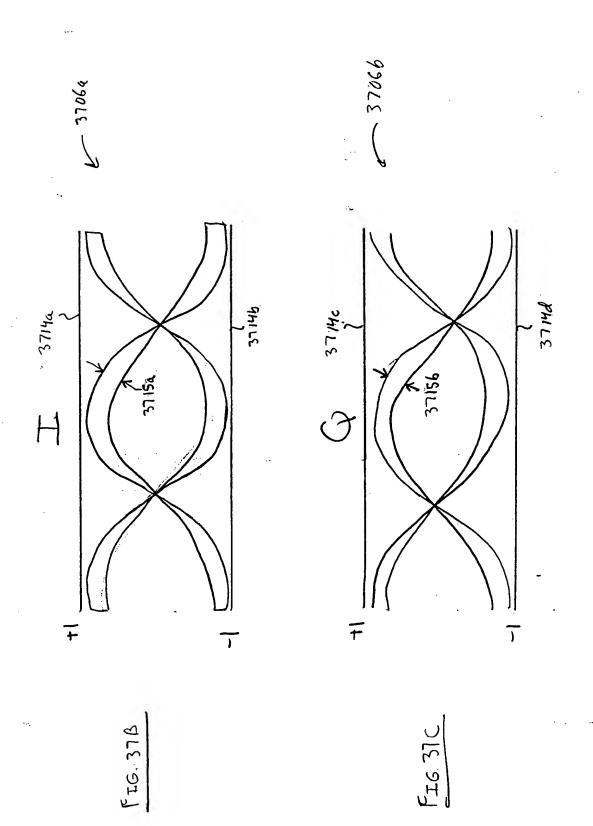


FIG. 37A & CDMA Transmitter





19-72 SED SHETTS FILER 42-33 SO SHETTS FILER 42-33 SO SHETTS FILER 42-35 SO SHETTS FILER 42-35 SO SHETTS FILER 42-35 SO RECYCLED WHITE 42-35 SO RECYCLED WHITE 42-35 SO RECYCLED WHITE

* . .



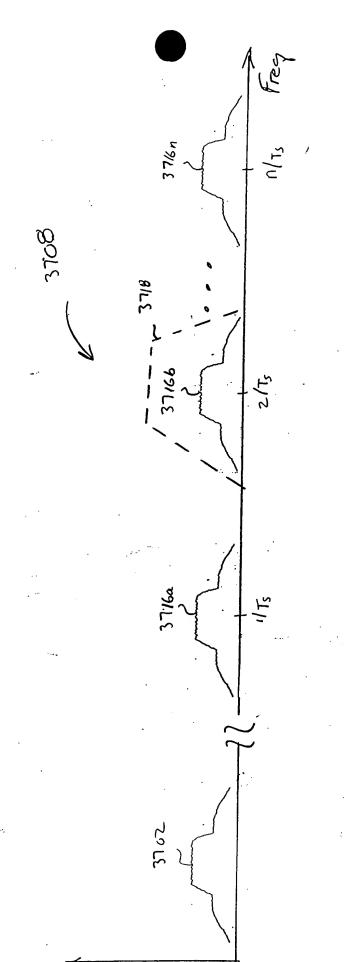


Fig. 31E

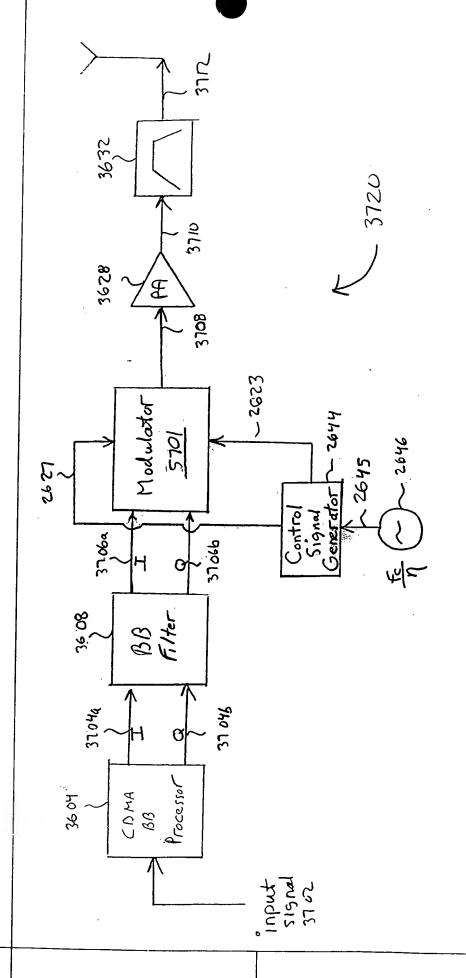


FIG: 37F CDMA Transmitter



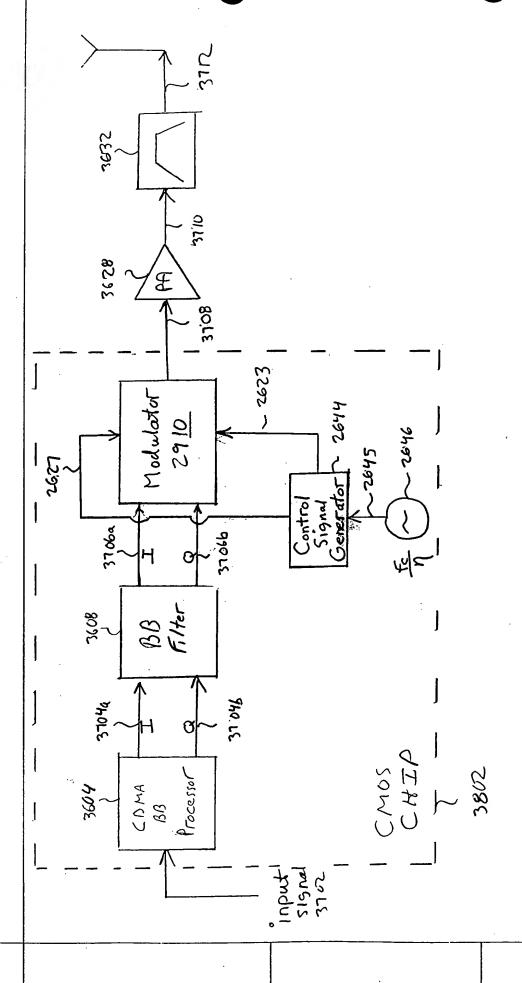
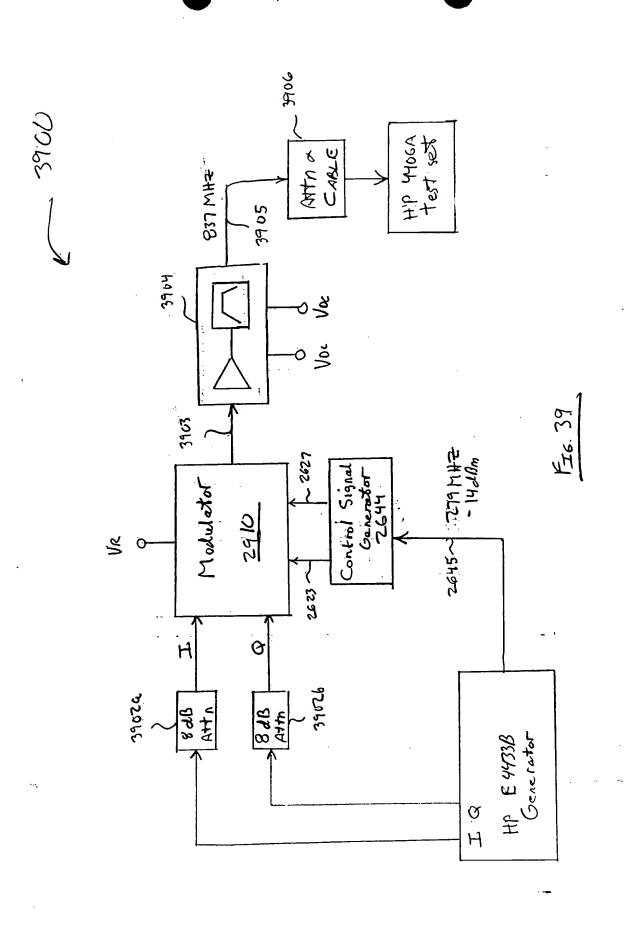


FIG. 38: CDMA CMOS CHIP





National Brand 4393 100 SHETTS, FILL 43381 100 SHETTS, FILL 43381 100 SHETTS, FILL 43381 200 SHETTS, FILL 43381 20

• • . • •

Base Station

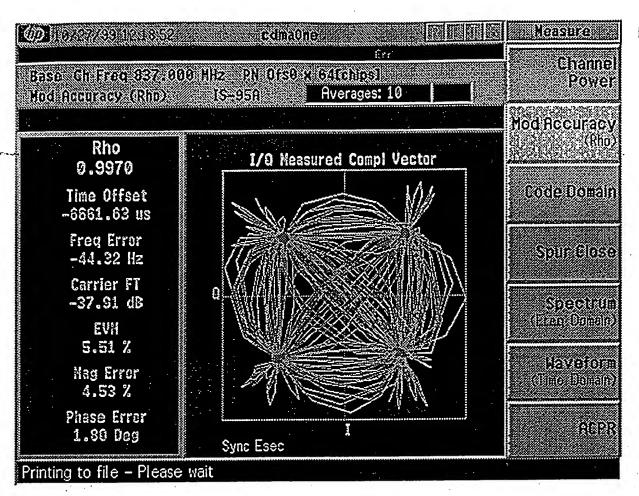
FIG. 40

RHO	0.9970
EVM	5.51%
PHASE ERROR	1.80°
MAGNITUDE ERROR	4.53%
CARRIER INSERTION	-37.91 dB
PA POWER OUT	28.06 dBm

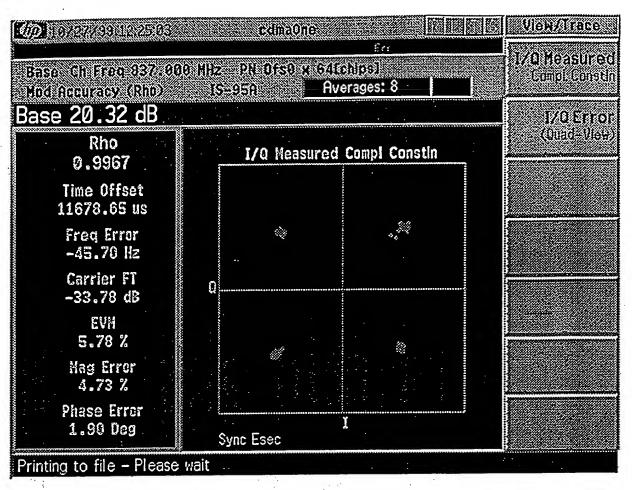
4102

	LOW	MIDDLE	HIGH	
RHO	0.9892	0.9969	0.9892	
EVM	10.39%	5.54%	10.39%	
PHASE ERROR	4.47°	2.24°	4.08°	
MAGNITUDE ERROR	6.84%	4.21%	8.27%	
CARRIER INSERTION	-40.15 dB	-44.58 dB	-35.27 dB	
PA POWER OUT	27.36 dBm	28.11 dBm	.27.55 dBm	

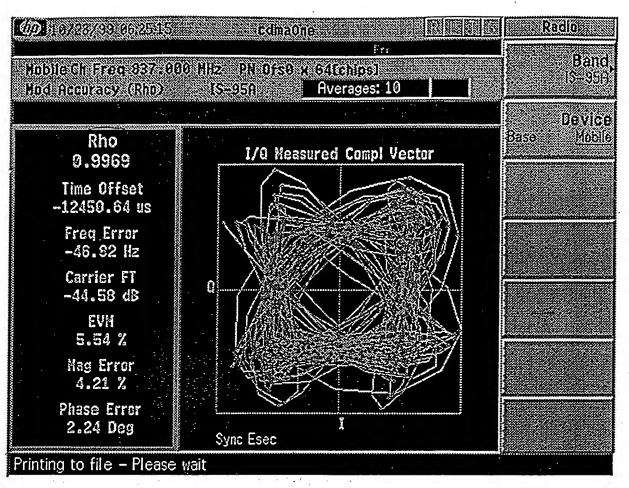
FIG. 41



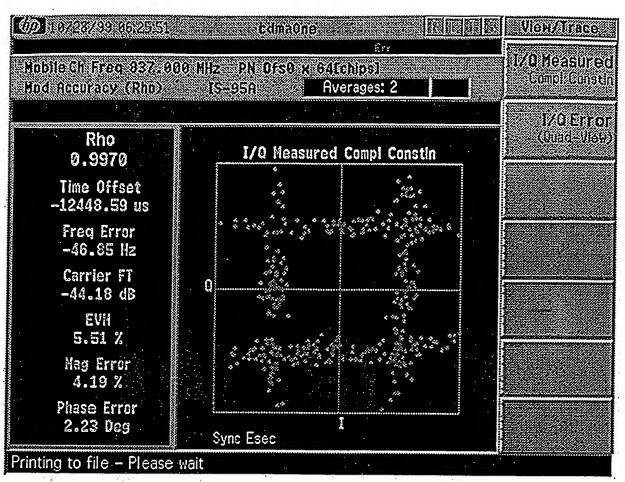
Base Station Constellation for Pilot Channel Test



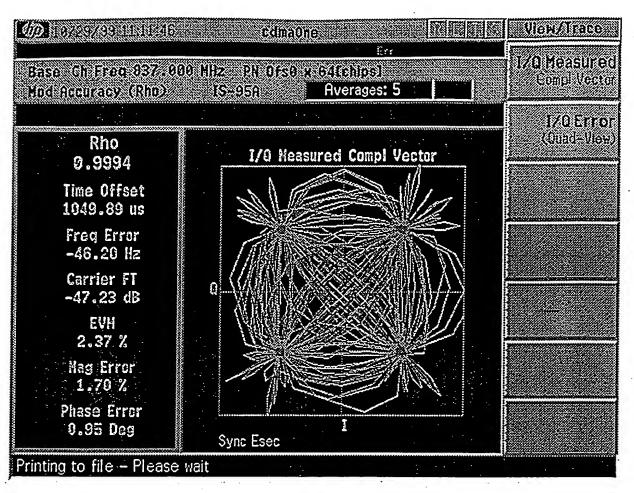
Base Station Sampled Constellation



Mobile Station Constellation for Access Channel Test

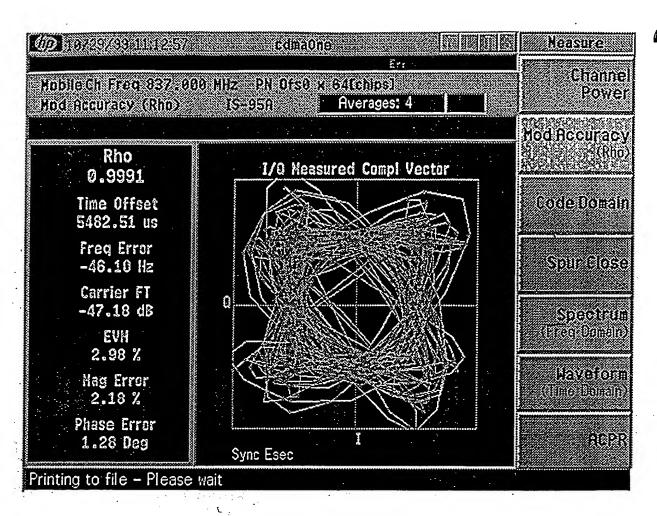


Mobile Station Sampled Constellation



Base Station Constellation using only H/P Test Equipment

CONTRACTOR CONTRACT



Mobile Constellation using only H/P Test Equipment

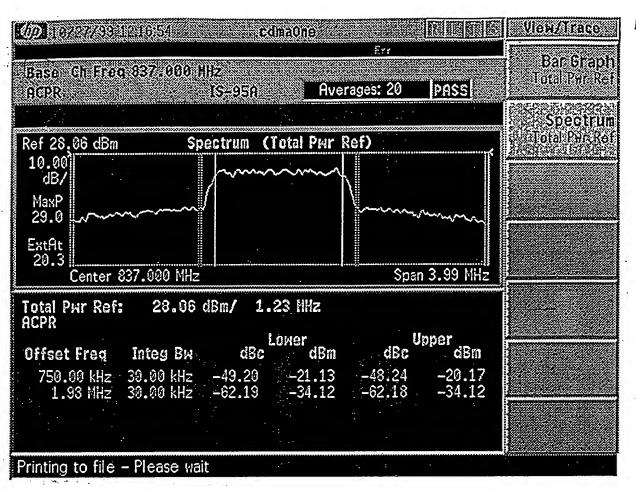


FIG. 48

(D) 10/27/99/2016/21	Heasure
Base Chifred 837,000 MHz ACPR IS-95A Averages: 12 PASS	Channel Power
Ref 28,08 dBm Bar Graph (Total Pwr Ref)	Mod Accuracy (Rhe)
10.00 dB/ MaxP 29.0	Eode Domain
ExtAt	Spur Gase
Total Pur Ref: 28.08 dBm/ 1.23 HHz ACPR	Spectrum Fred Domain
Offset Freq Integ Bw d8c d8m dBc d8m 750.00 kHz 30.00 kHz -49.23 -21.15 -48.20 -20.12 1.93 MHz 30.00 kHz -62.15 -34.07 -62.14 -34.06	Haveform Time Domain FACPR
Printing to file - Please wait	

Base Station Spectral Response with Mask

PIG. 49

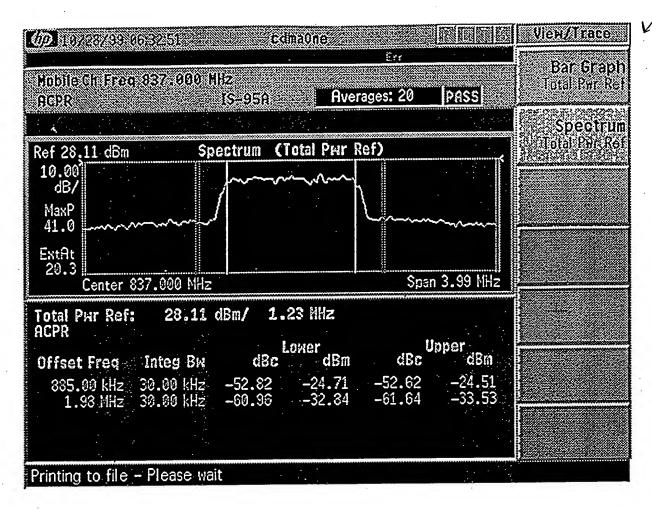


FIG. 50

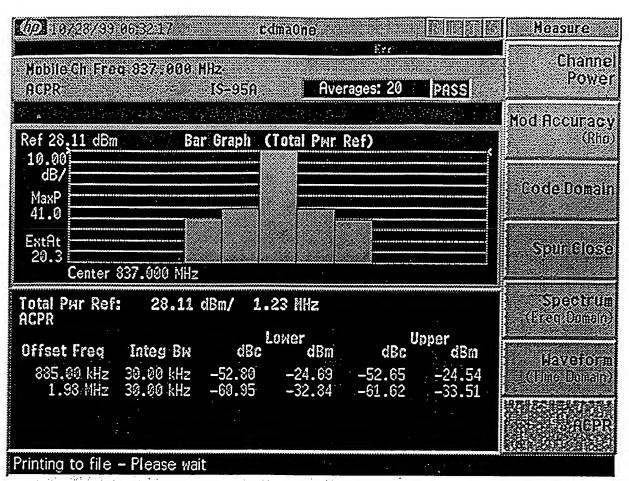
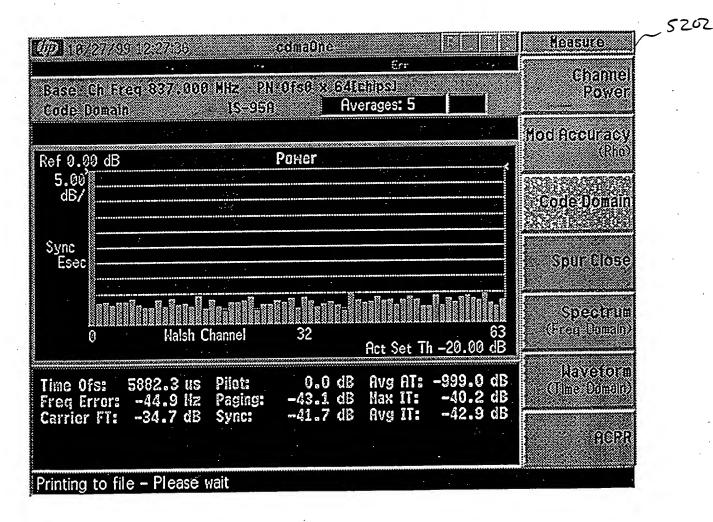


Figure 3.2-2 Mobile Station Spectral Response with Mask

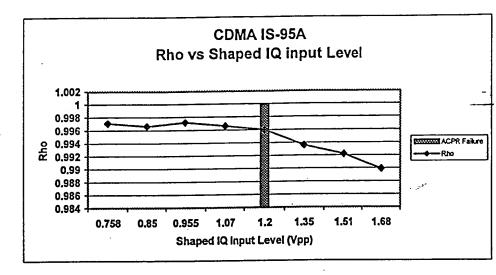
PIG. 51



CDMA Crosstalk

FIG. 5ZA

Sequence for IQ Input Level Variance



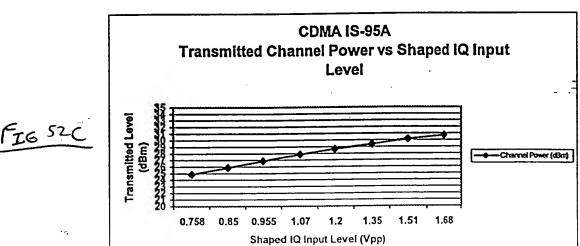


FIG 52B

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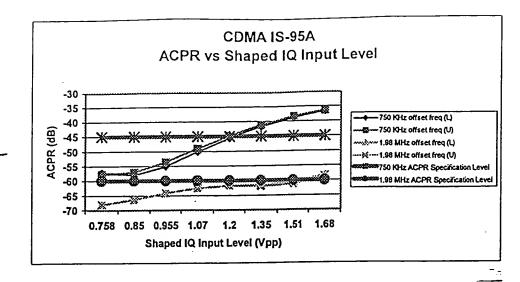


FIG 52D



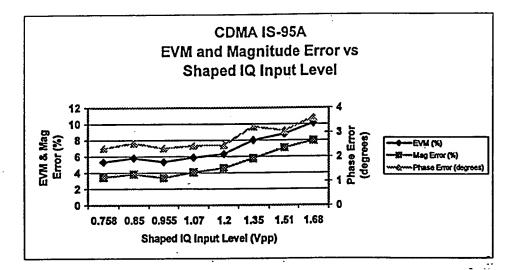
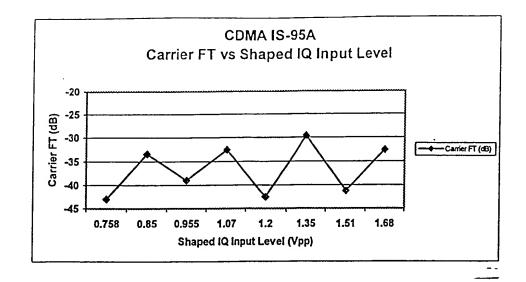
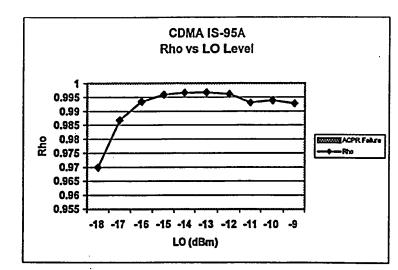


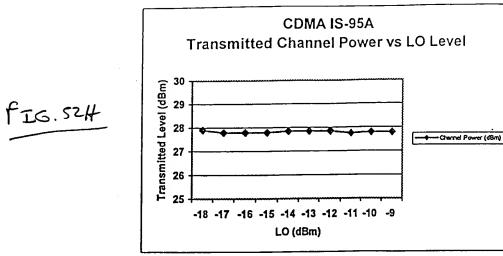
FIG. 52F



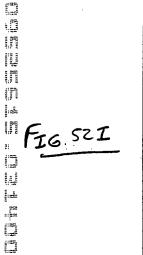
Sequence for LO Variance

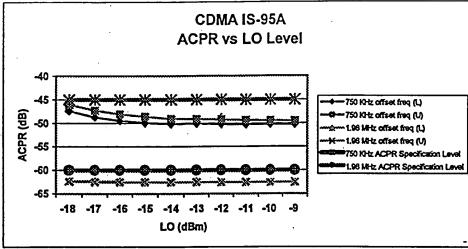


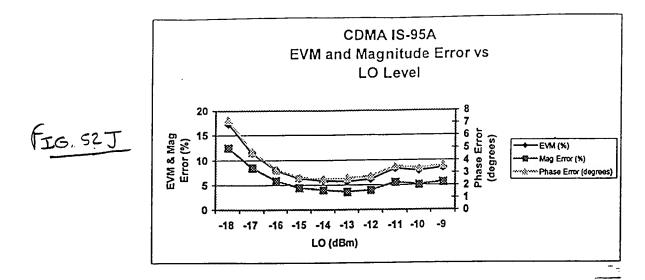




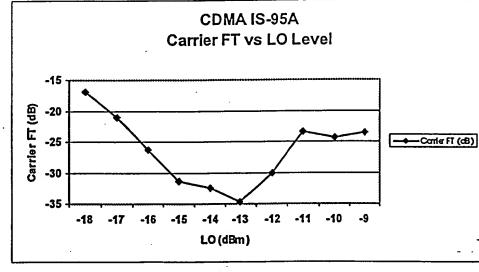










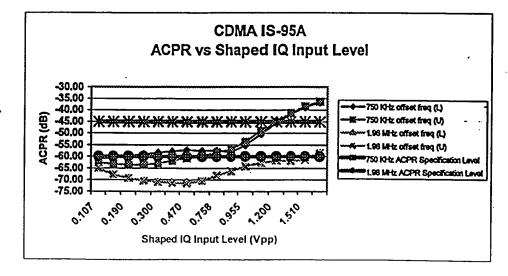


CDMA IS-95A
Carrier FT vs Shaped IQ Input Level

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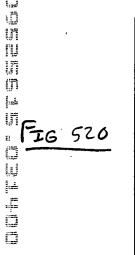
FIG. 52L

III. SZM



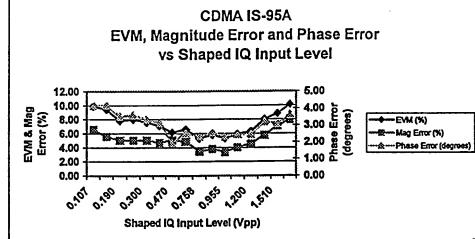
CDMA IS-95A Rho vs Shaped IQ input Level 1.000 0.998 0.996 0.994 ACPR Failure 인.994 인.992 0.990 0.988 0.986 0.984 Shaped IQ Input Level (Vpp)

FIG.52N

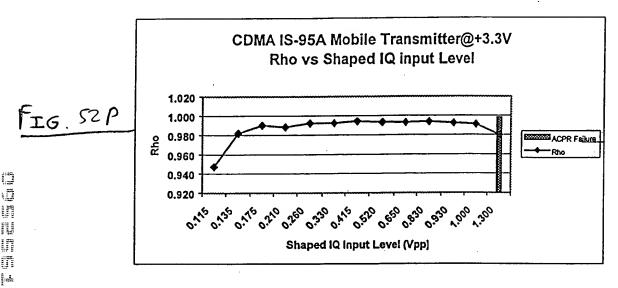


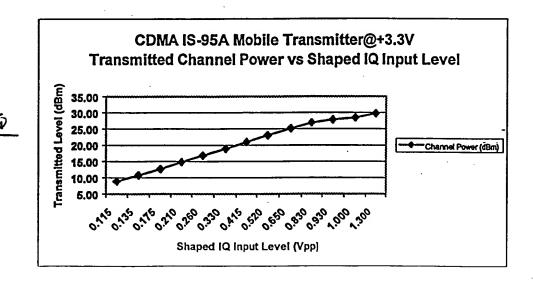
Hart Hall Keen and Hare Man.

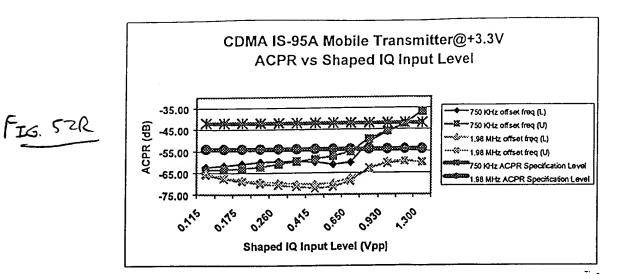
ļ.



Sequence for IQ Input Level Variance









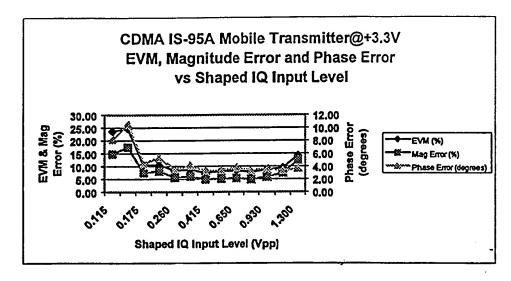


FIG. 52T

ij

i,F

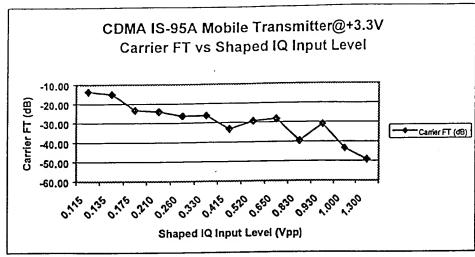


Figure 3.6-5

Sequence for LO Variance

FIG. 524

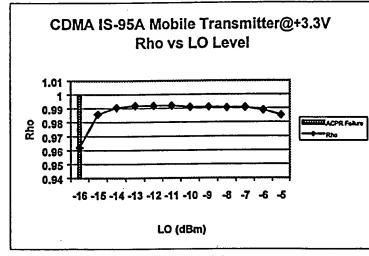


Figure 3.6-6

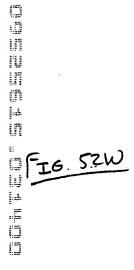
CDMA IS-95A Mobile Transmitter@+3.3V
Transmitted Channel Power vs LO Level

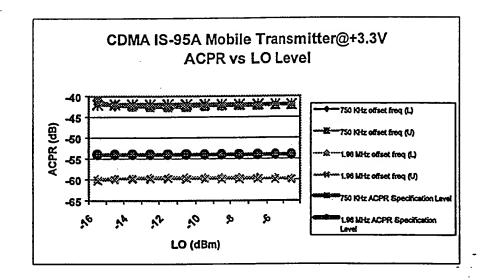
Channel Power (din)

Channel Power (din)

LO (dBm)

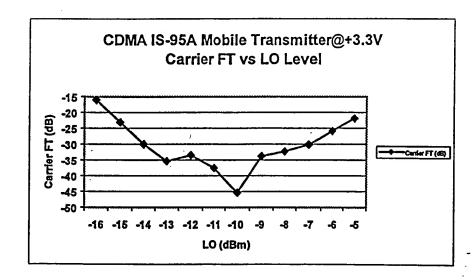
FIG. 52U





F16. 524

The state and



Quantity	Description	Voltage	Total Current	Power
2	· Cores	3.3	4mA	13.2mW
2	Baseband Interface Circuits with/BW Limit	3.3	6mA	21.8mW
1	Clock Circuit	3.3	5mA	20.0mW
	·		Sub Total	54.0mW

FIG. 522

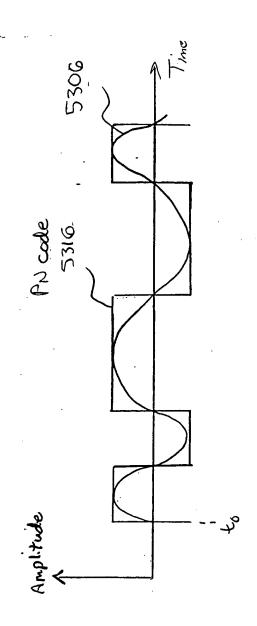


FIG. 53B

National Brand 4292 Observe Pre-EAS 4292 Observe Pr

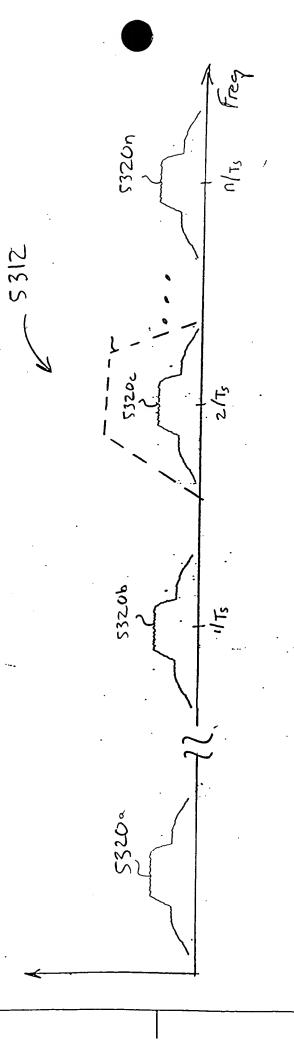
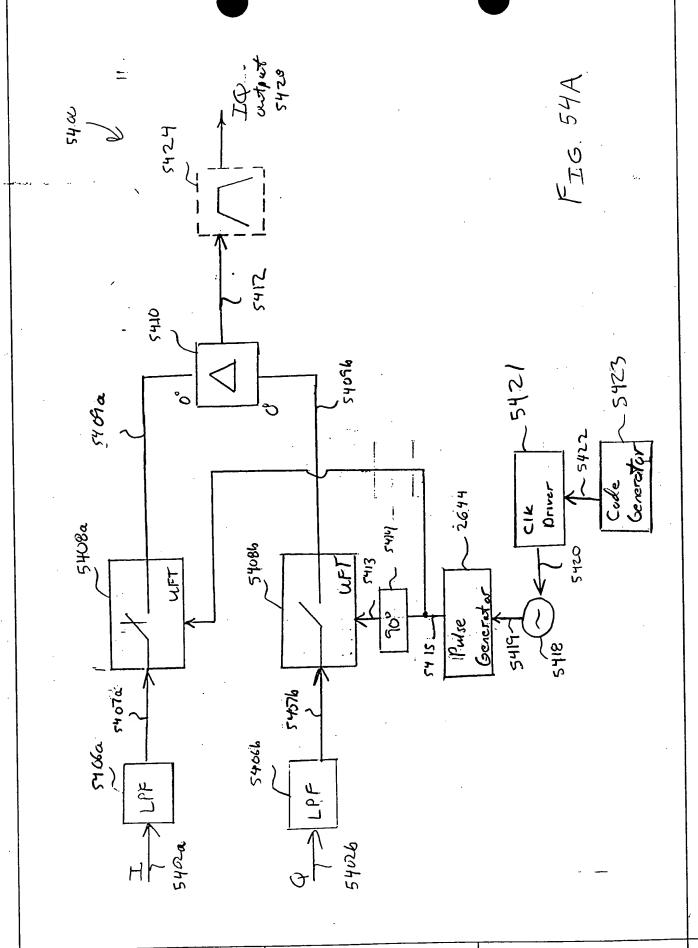


Fig. 53c





13,782 SWIB-REIN, INCH SWII 42,981 SWIETER FR. 62,725 SQU 2009 200 SRETTE FR. 62,525 SQU 42,991 200 SRETTE FR. 62,525 SQU 42,999 200 SRETTE FR. 62,540 42,990 200 SRETTE FR. 62,990 200 SRETTE FR. 62,900 SR

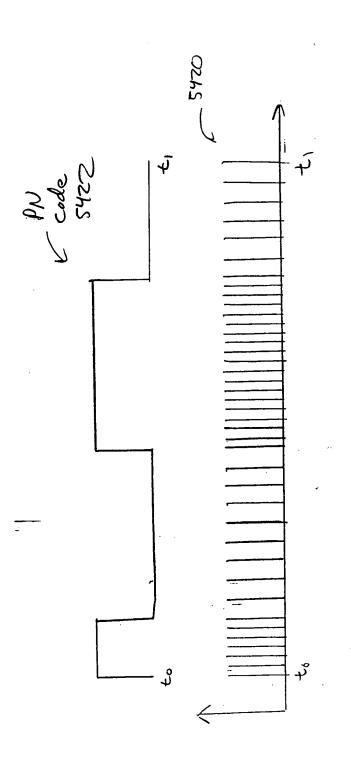
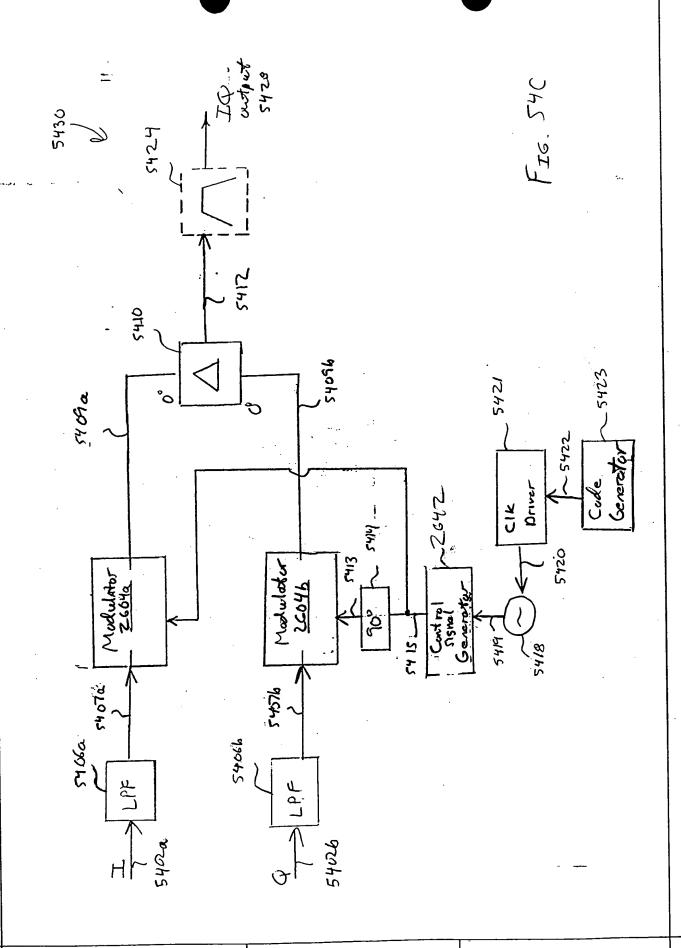


FIG. SYB



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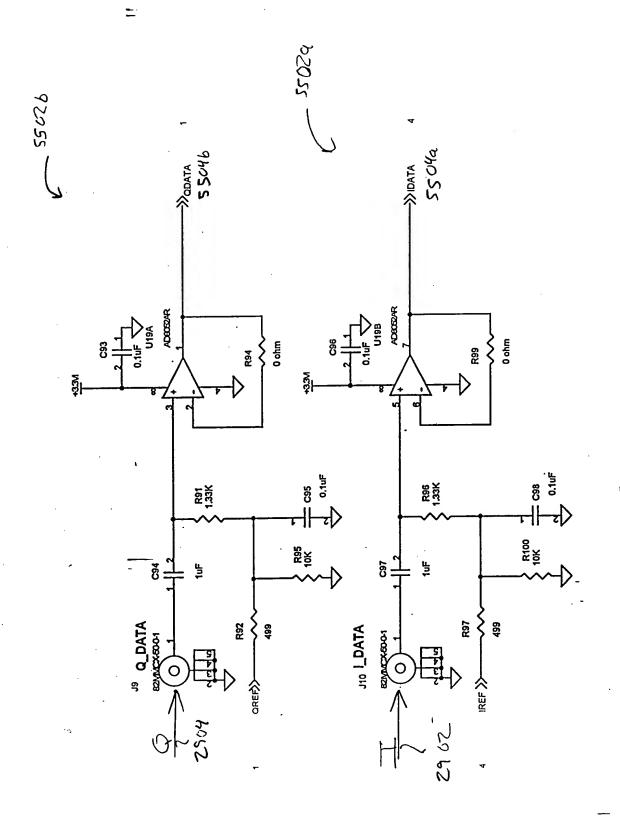
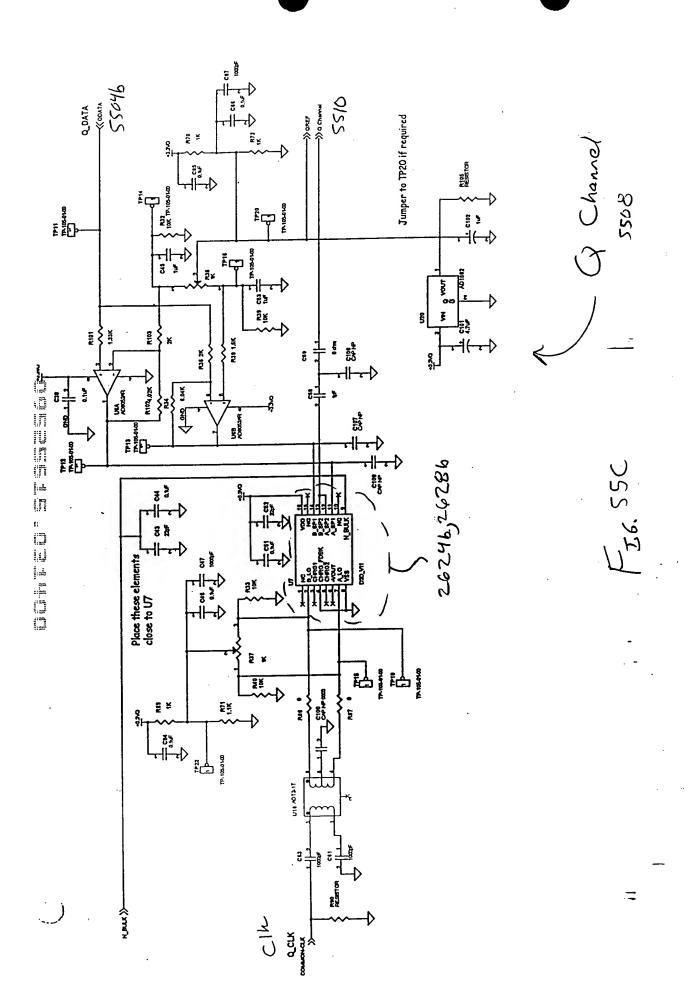
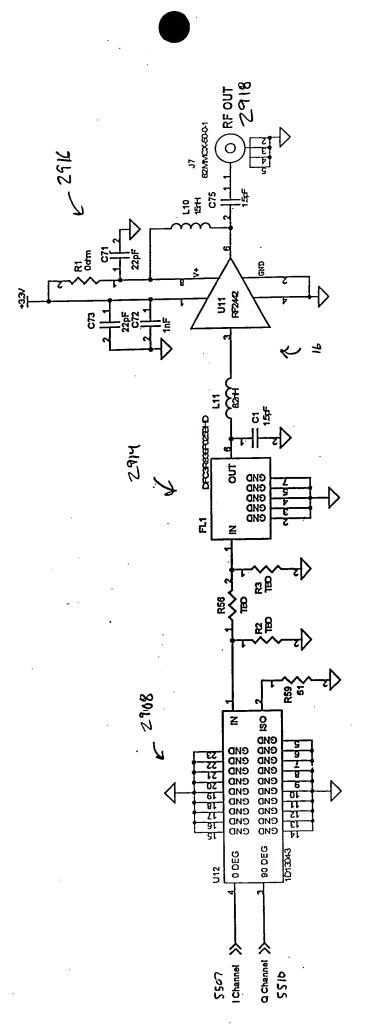


FIG. 55A



ris zarnek



TG 250

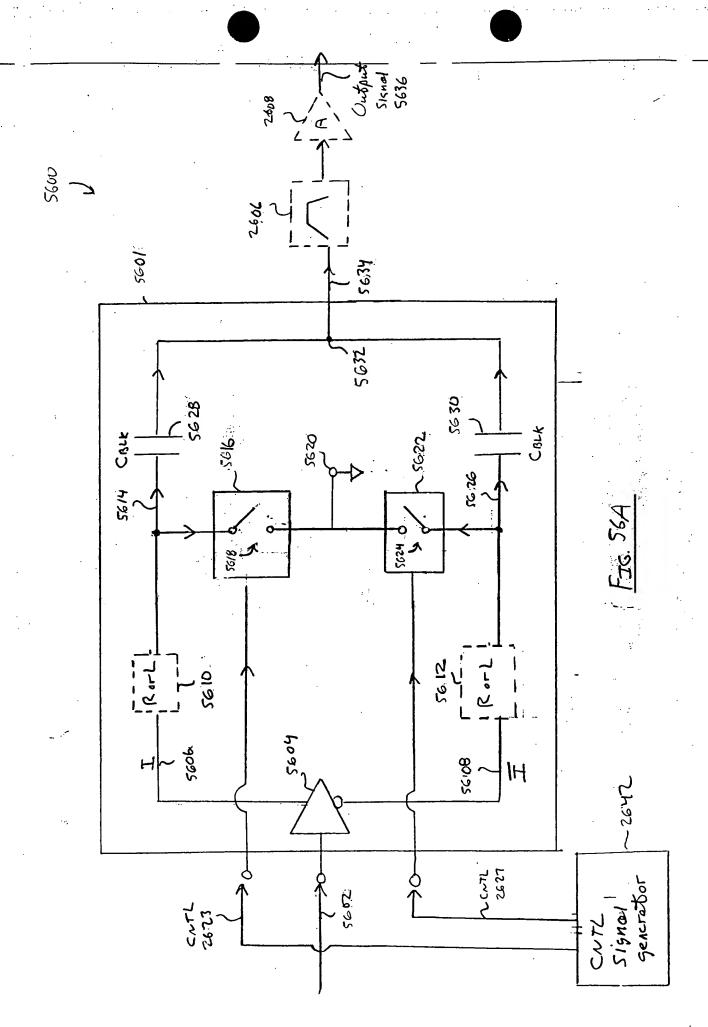


FIG. 156B

56 50n n/Ts S6 50c 3/75 26 506 2/15 56 50a 1/ 75 5605 Amplitude

26.14

. 5632

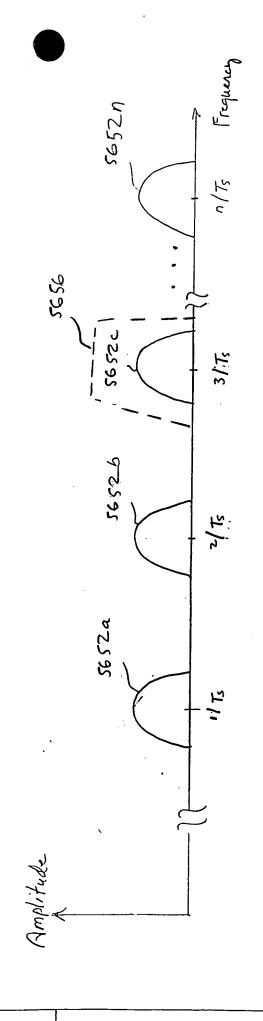
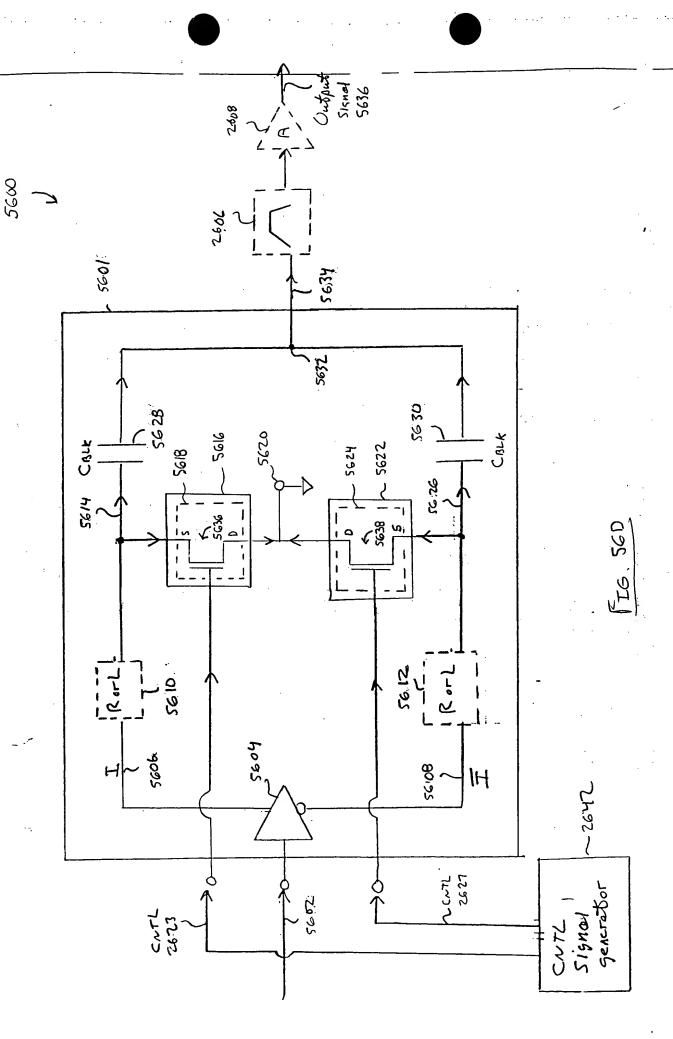
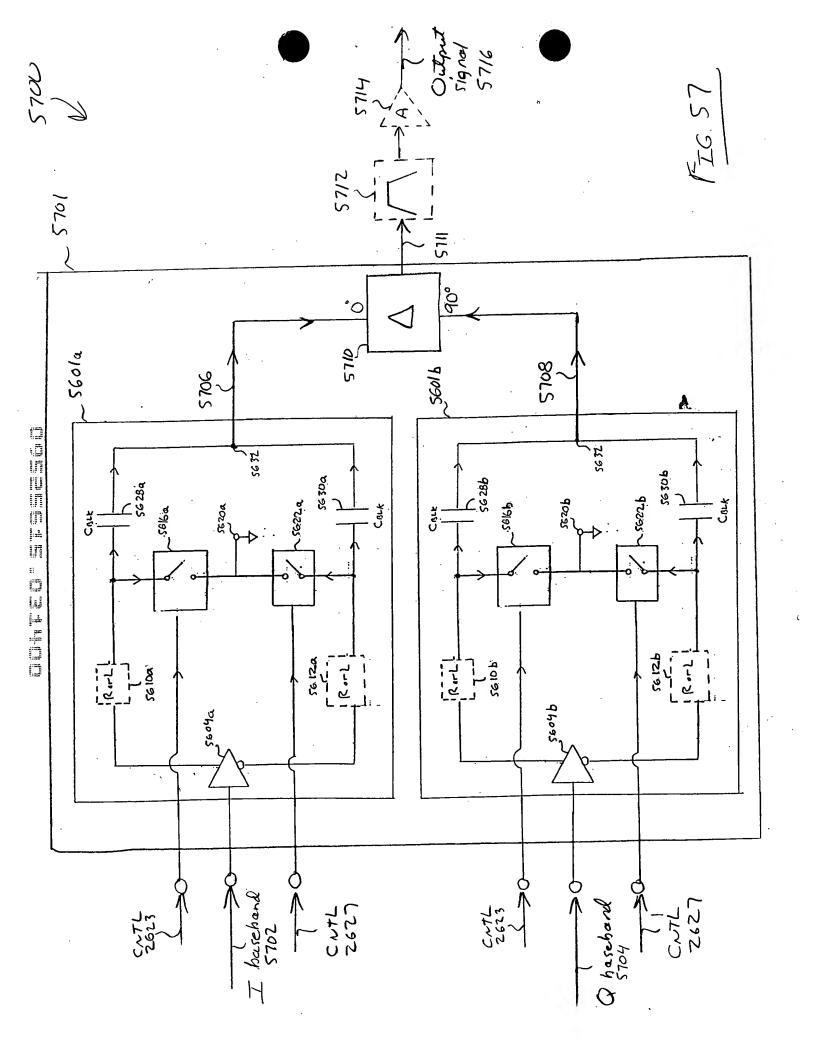
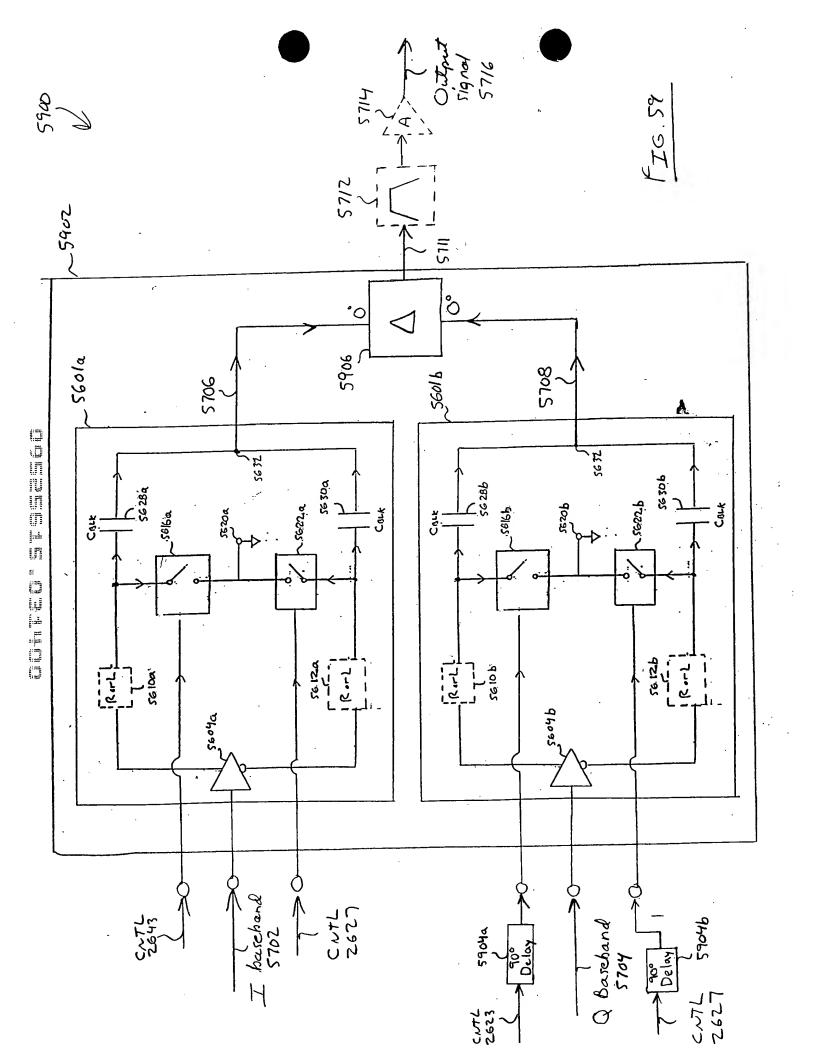


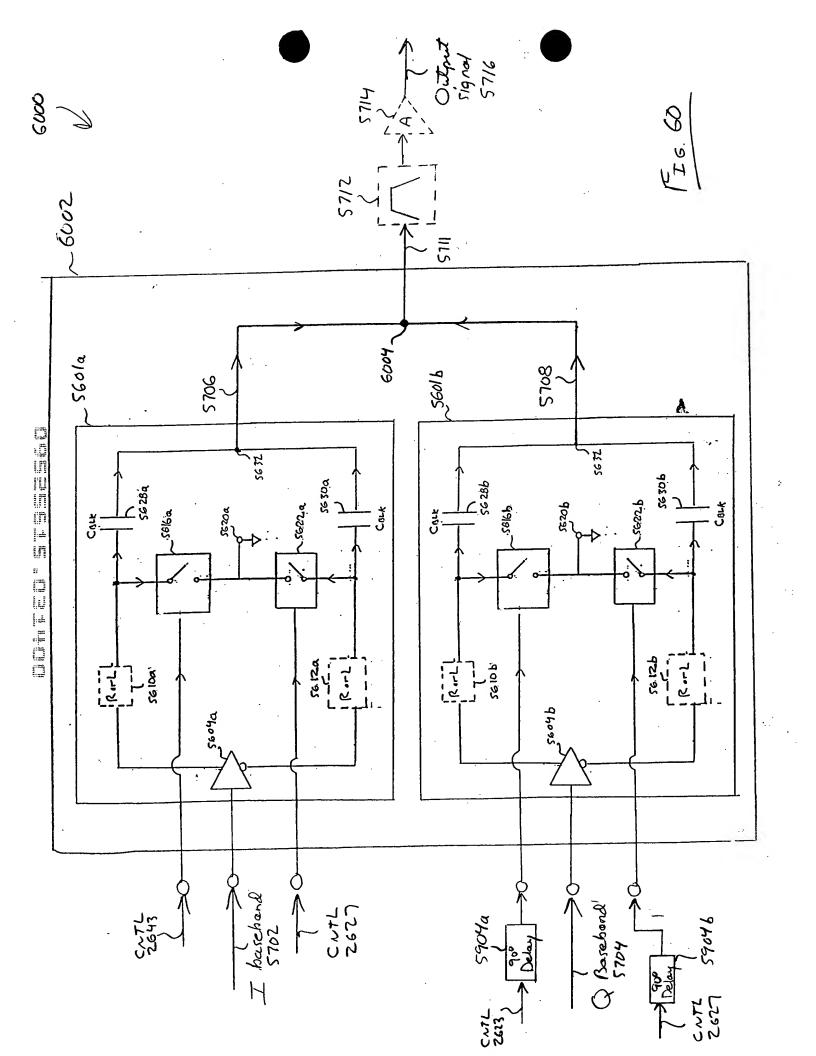
FIG. SGC

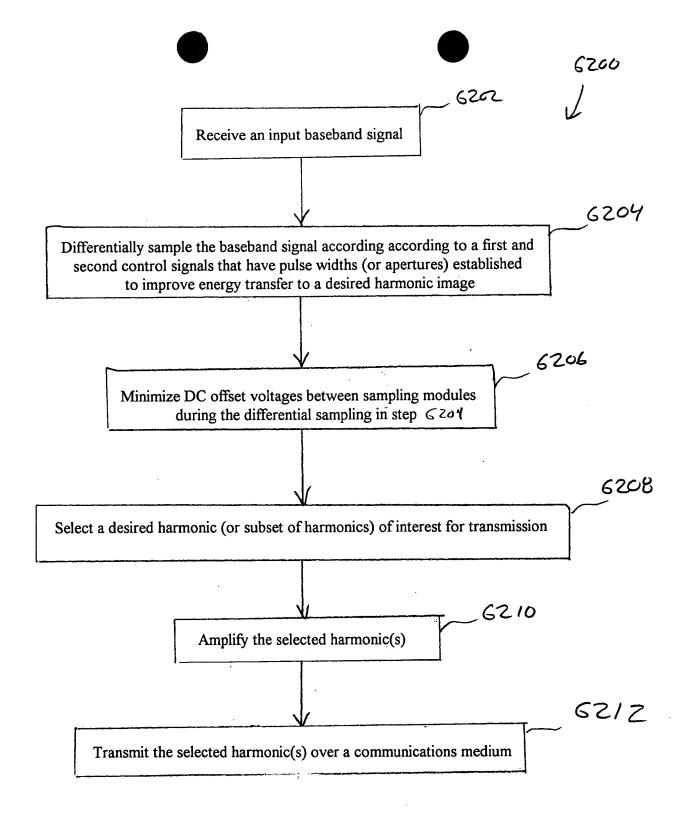












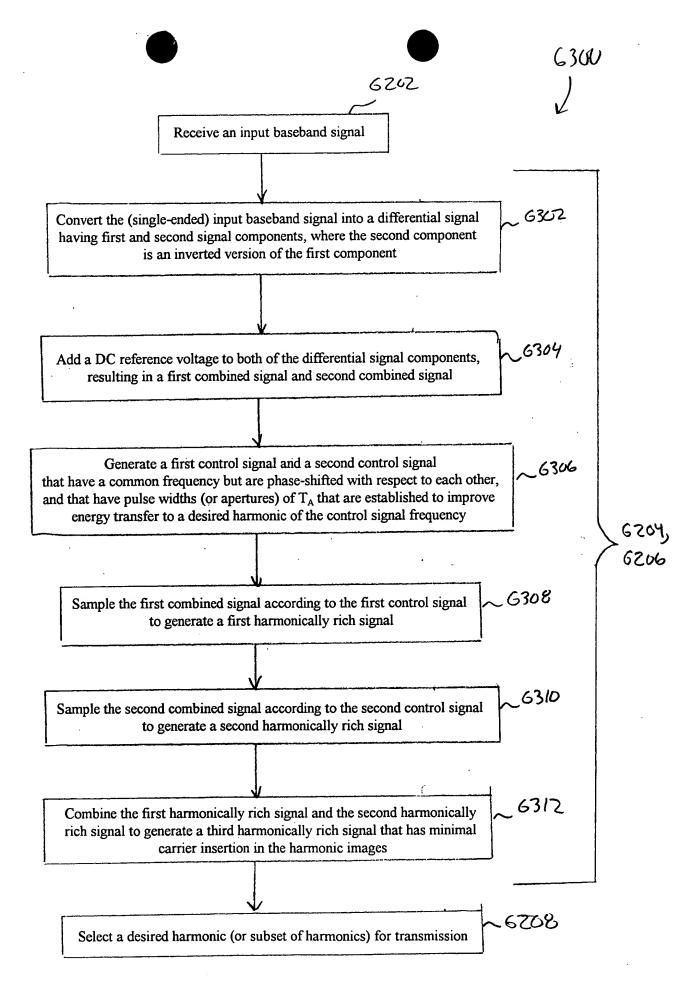


FIG. 63

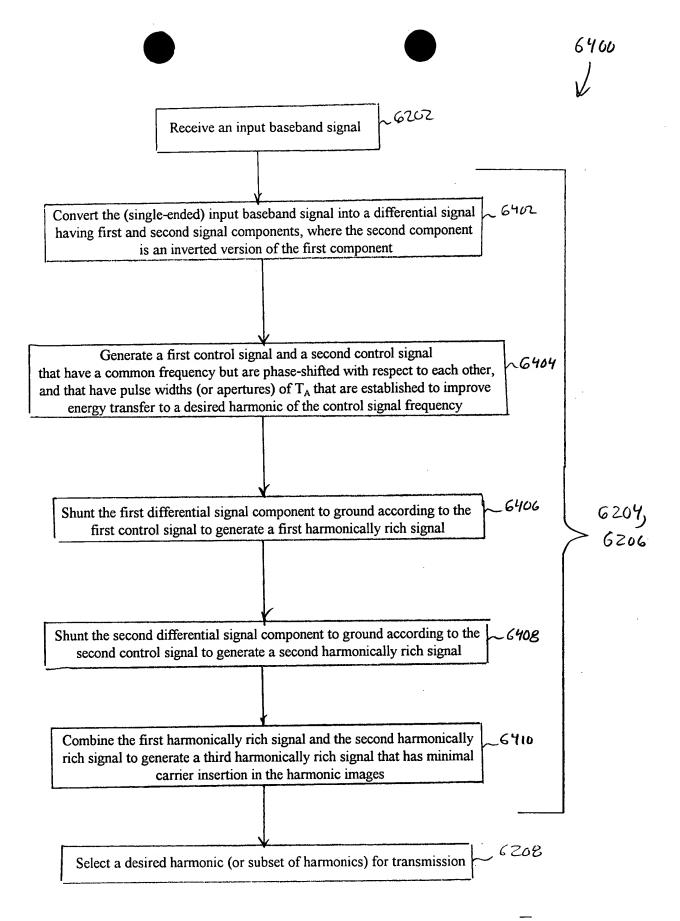


FIG. 64

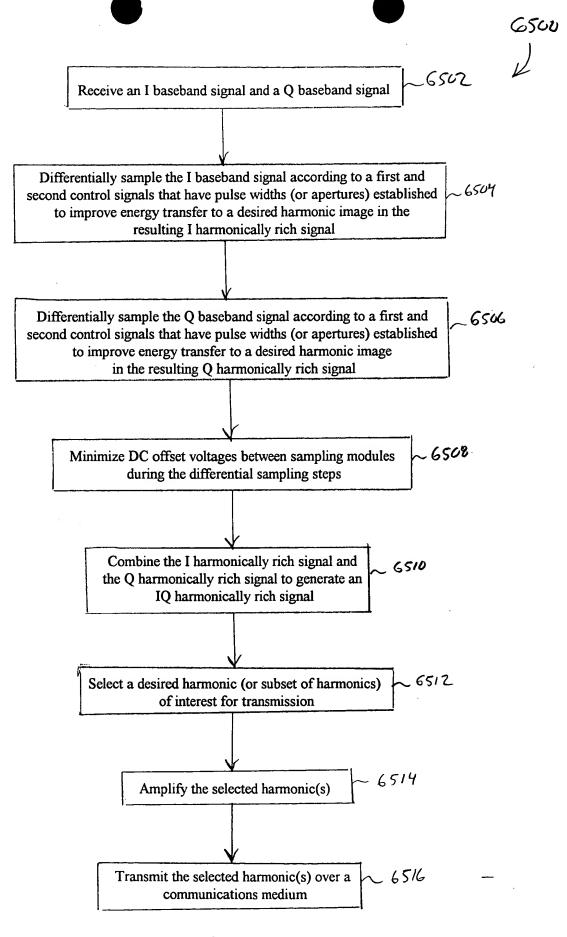
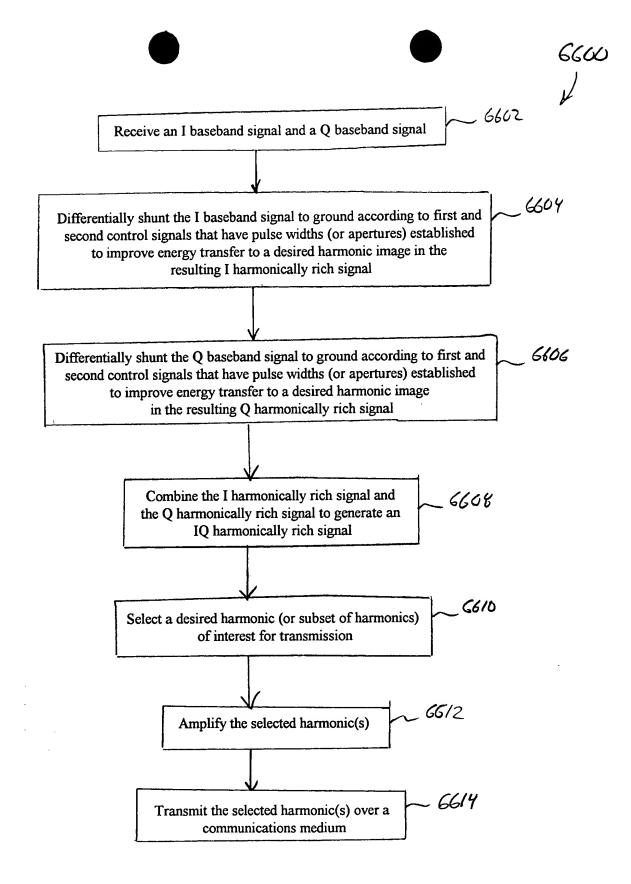
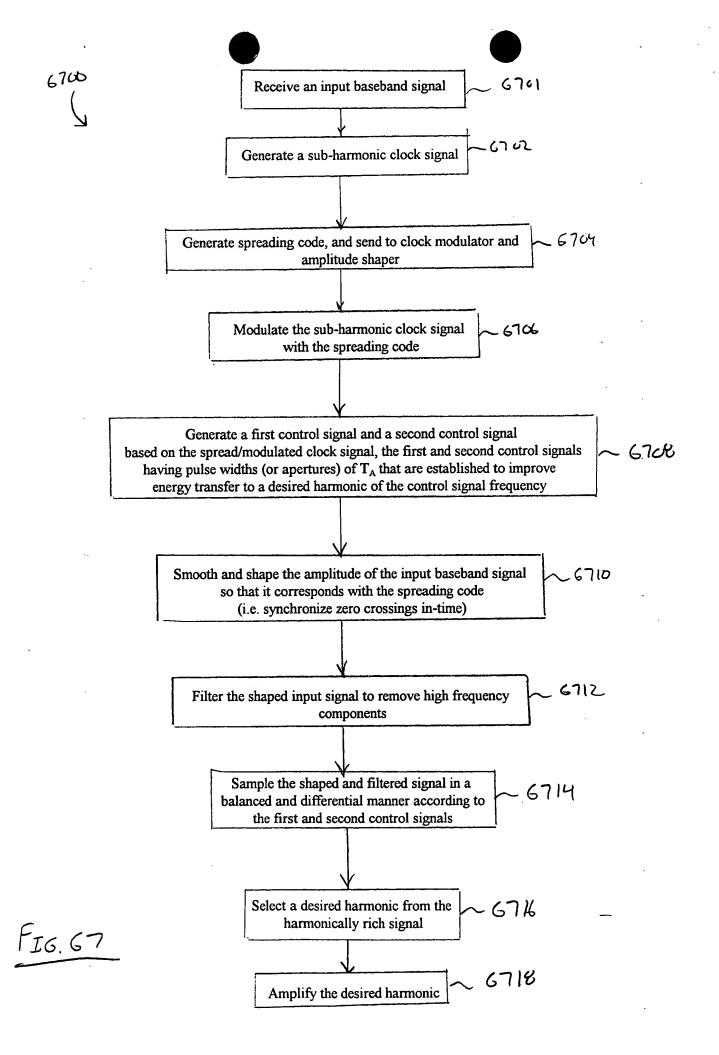


FIG.65





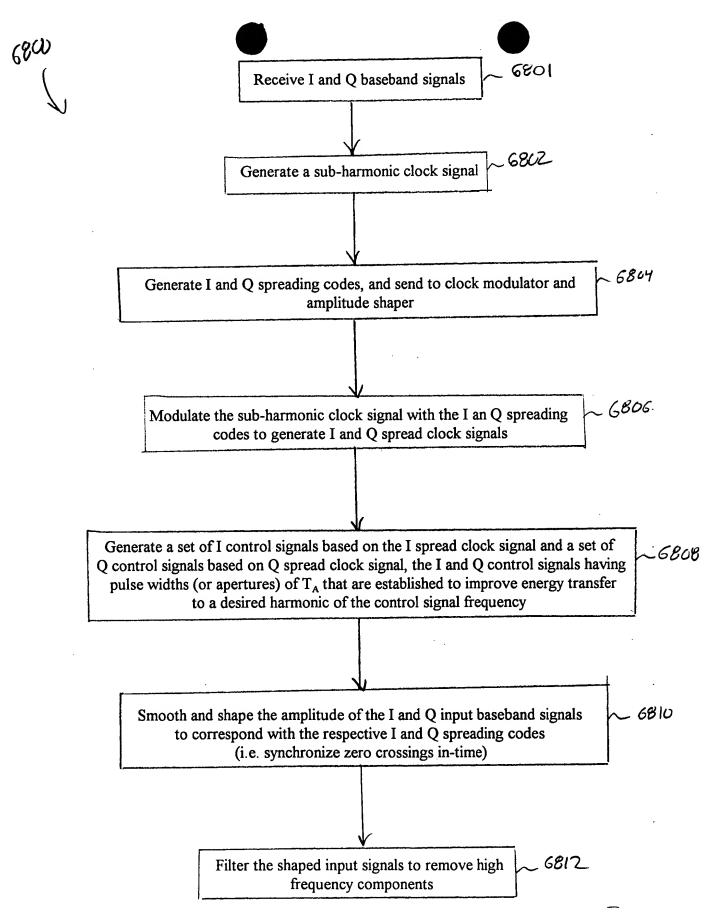


FIG. GBA

Sample the shaped/filtered I baseband signal in a balanced and differential manner according to the first and second I control signals

Sample the shaped/filtered Q baseband signal in a balanced and differential manner according to the first and second Q control signals

Combine the I and Q harmonically rich signals

Select a desired harmonic from the harmonically rich signal

Amplify the desired harmonic

G818

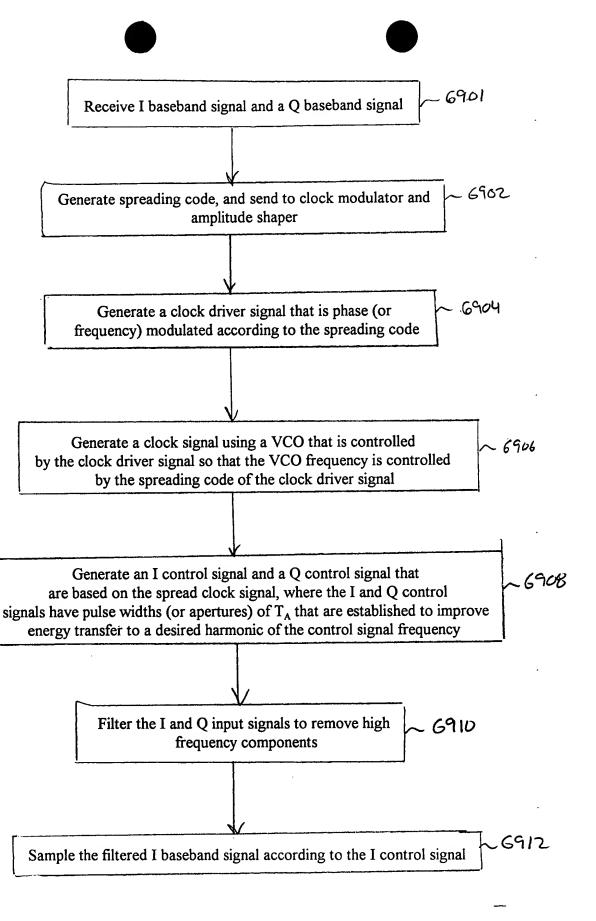
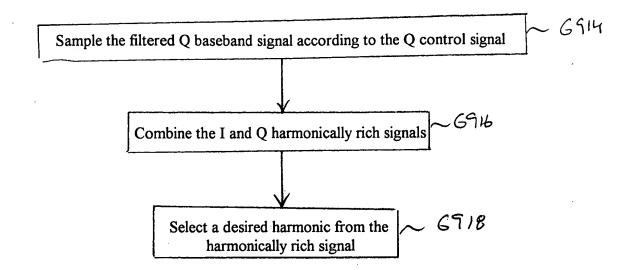


FIG. 69A



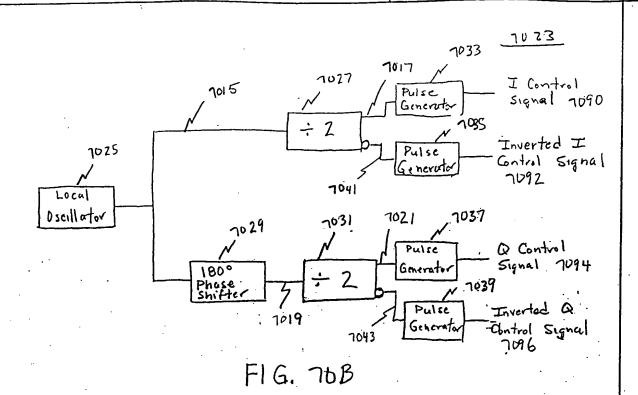
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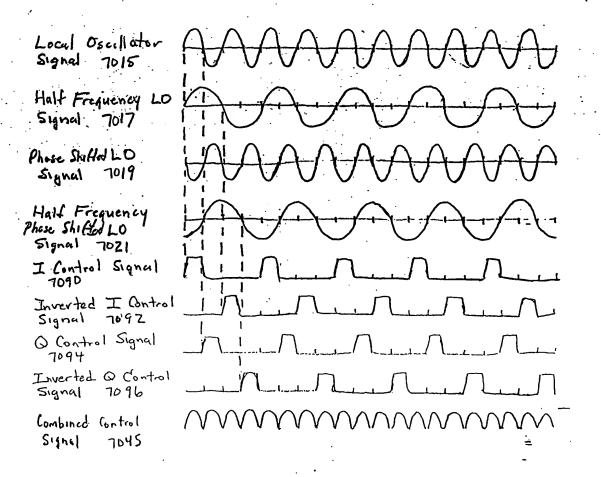
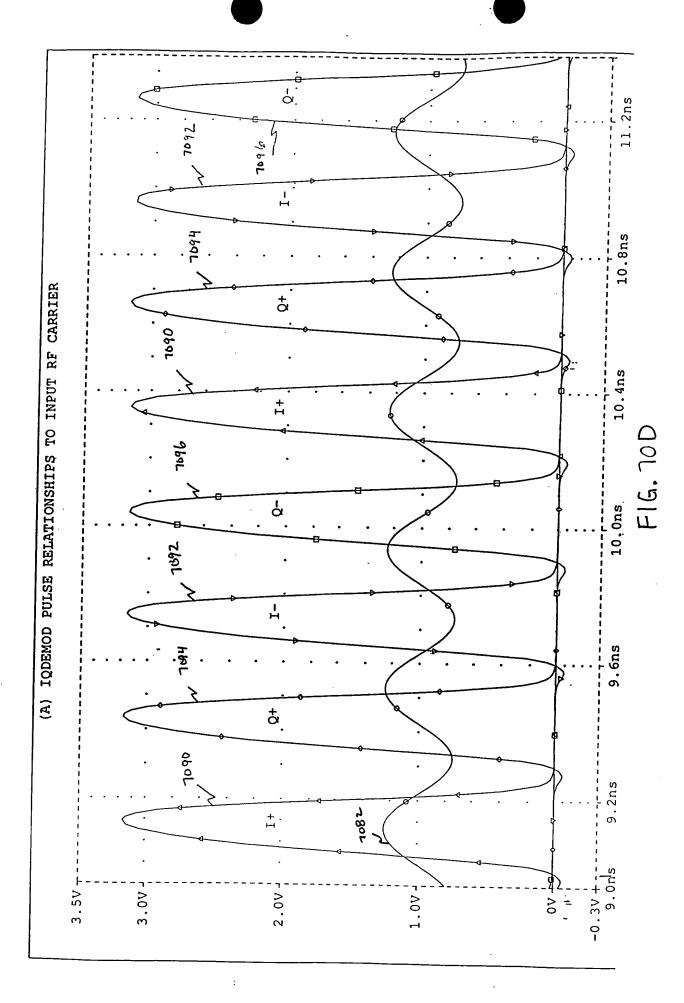
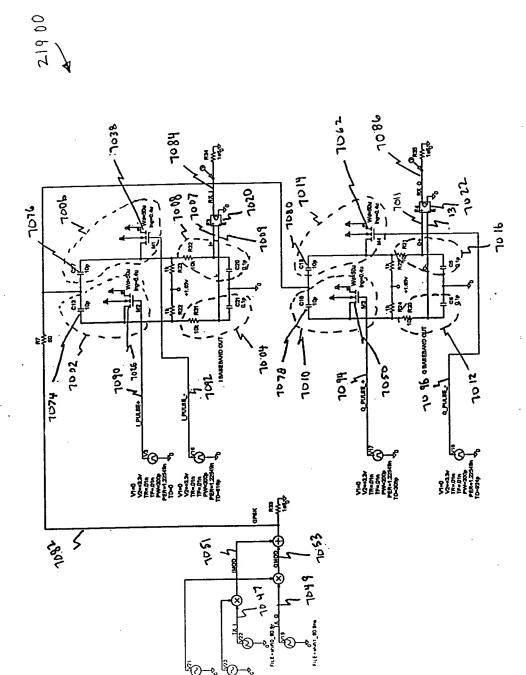
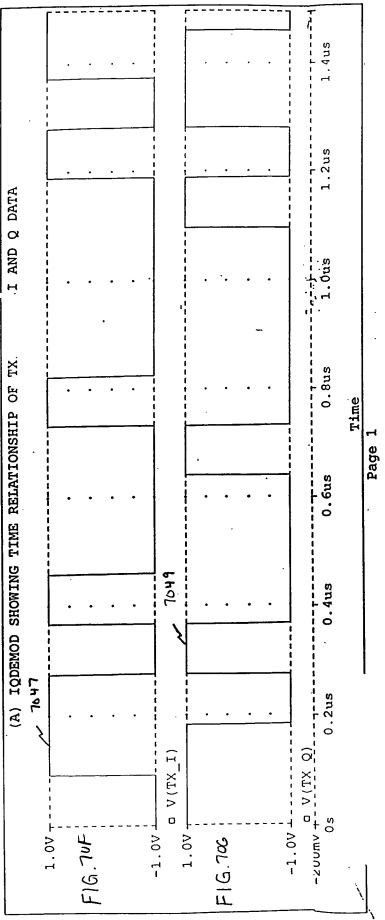


FIG. 70 C



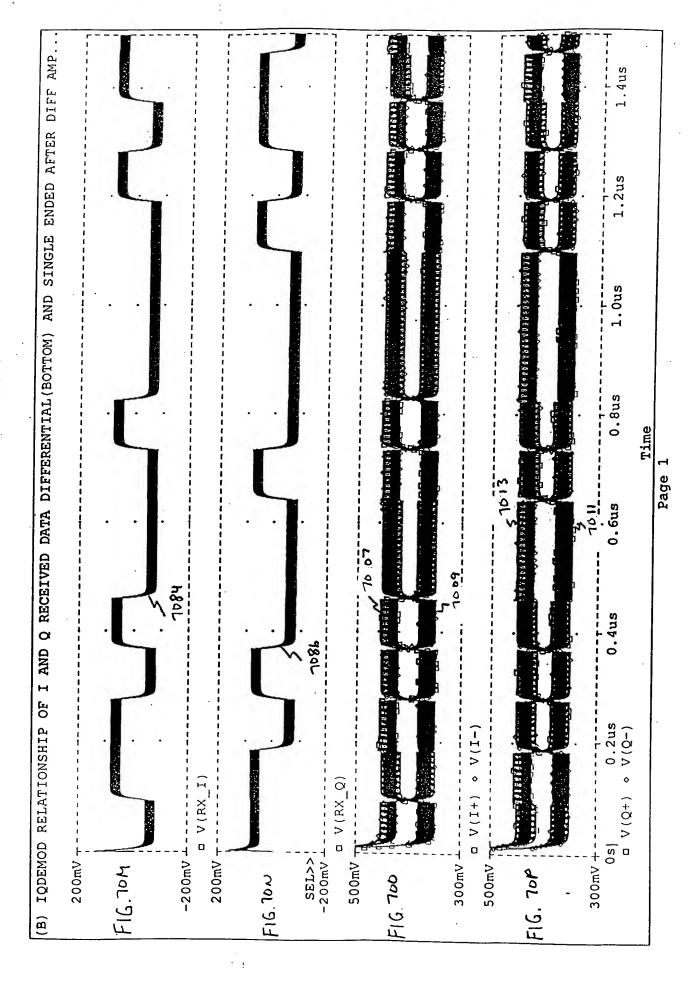


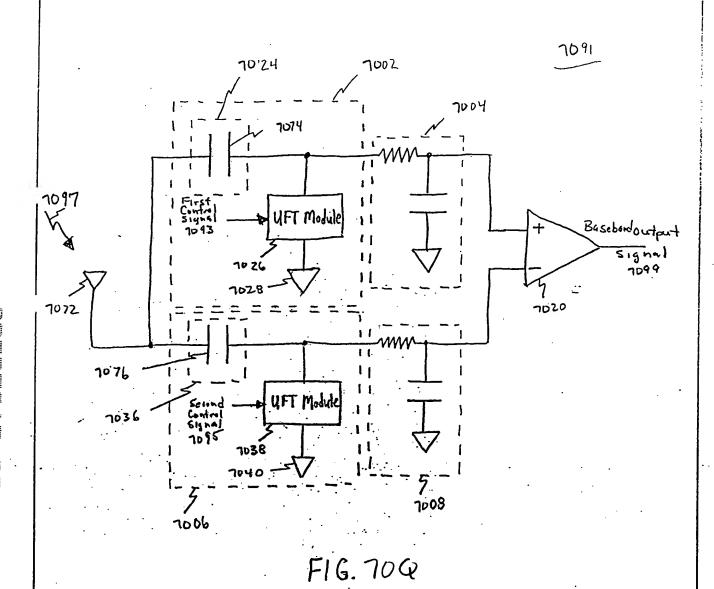
F1G. 70E

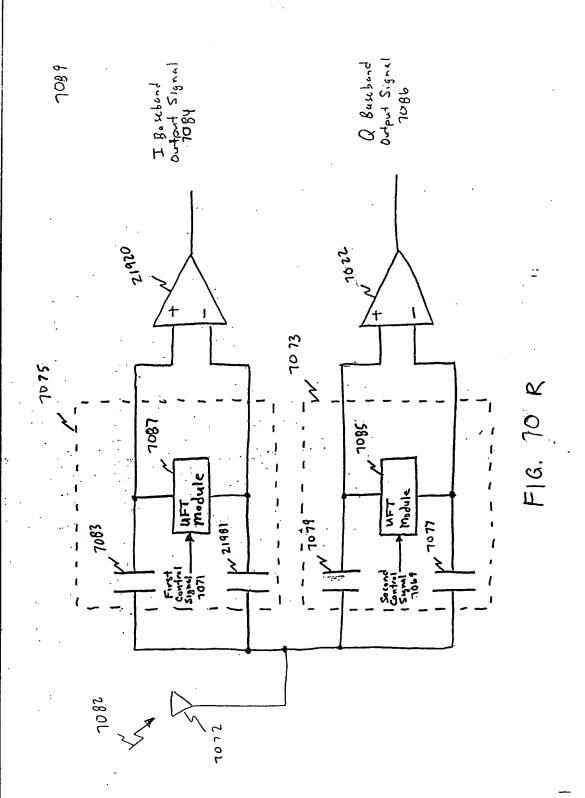


100 ENO SHOWING OPSK MOD OUTPUT (TOP) WITH IMOD AND I AND Q DATA (BOTTOM) 100 MU
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Page 1







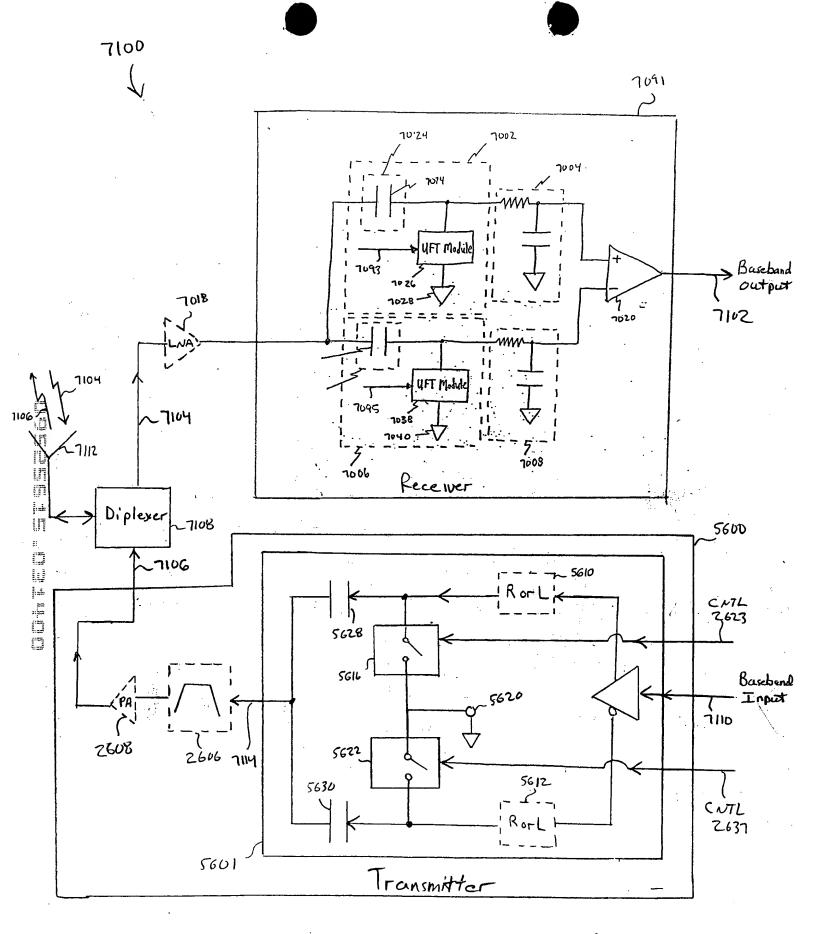


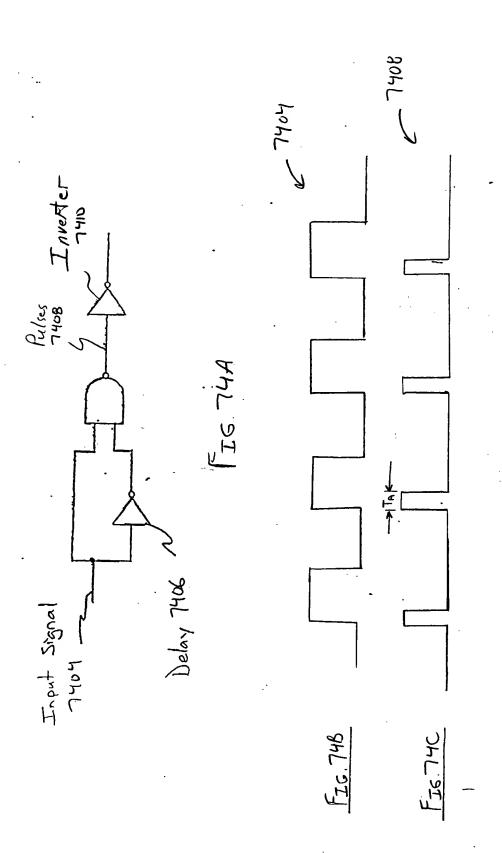
FIG.71: Transceiver

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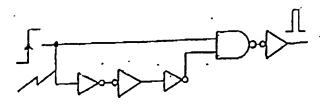
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IM

FIG. 73



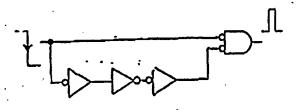




A. rising edge pulse generator

FIG. 740

7416



B. falling-edge pulse generator

FIG. 74E